Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 149 No. 10 — Schnell Publishing Company, Inc., Publishers — March 11, 1946

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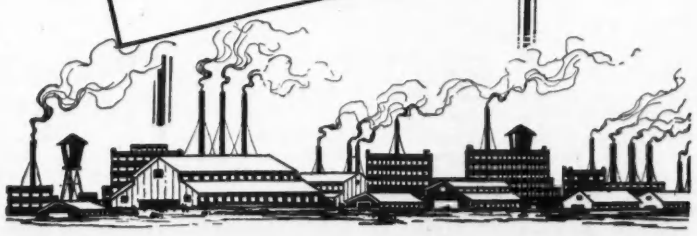

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3 ethanolamines...

Diethylethanolamine

$(C_2H_5)_2NC_2H_4OH$

...is used chiefly in the syntheses of antispasmodics, anti-malarials, and pain-relieving pharmaceuticals. Its fatty esters are of particular value as emulsifying agents for waxes and oils to be applied under acidic conditions, as in the case of textile waterproofing compounds. These oil-soluble esters can be used in inks and paints as surface-active materials and may have value as rust inhibitors in petroleum products.

Dimethylethanolamine

$(CH_3)_2NC_2H_4OH$

...is an intermediate in the synthesis of compounds used as corrosion inhibitors, anesthetics, acetate rayon dyestuffs, and textile auxiliaries and lubricants. Dimethylethanolamine forms highly surface-active esters which are well suited to cationic flotation processes. It is also valuable itself as a corrosion inhibitor in return condensate low-pressure steam systems.

Methyldiethanolamine

$CH_3N(C_2H_4OH)_2$

...is an intermediate in the manufacture of resins, pharmaceuticals, insecticide intermediates, emulsifying agents, and textile agents and dyestuffs. Methyldiethanolamine is a tertiary amine with two highly active hydroxyl groups and is a valuable product for the preparation of a wide variety of compounds.

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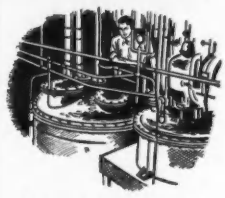
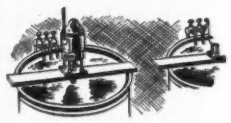


MANUFACTURE OF PHARMACEUTICALS

MANUFACTURE OF TEXTILE ASSISTANTS



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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison *Published by Schnell Publishing Co., Inc.*

Vol. 149 No. 10 New York 7, N. Y. March 11, 1946

WAC Asked to Review Toluene Price Policy

OPD Washington Bureau

The War Assets Corporation has been requested by the investigators for the surplus property subcommittee of the senate military affairs committee to reexamine its sales price policy for toluene to determine whether it is still considered to be the most feasible plan for disposing of the government's huge surplus stocks of this material.

The corporation is disposing of toluene under a two-price policy plan to encourage sales for export, new uses and as a blending agent for gasoline. Sales of toluene for uses customarily made of this material, such as a thinner for paints or dyestuffs intermediates and explosives, are prohibited under the policy in order not to disrupt this long-established market of the toluene producers.

Committee investigators, who have been looking into the price policy since its announcement, February 18, said that they have suggested to WAC that it might look at the policy again to see whether it meets the principles of the Surplus Property Disposal Act. They insisted that there was some room for question on this score.

It is understood that the price policy has been taken up by the investigators with Senator Joseph O'Mahoney of Wyoming, chairman of the committee, but that no decision will be reached for several weeks whether to have hearings or investigate the matter further.

It is also understood that the investigators have been unable to find any basis for the rumors that the RFC planned to lease the government-owned Baytown, La., toluene plant to Humble Oil Company with the stipulation in the contract that the production of the plant shall not be sold to the paint industry or to other regular industrial users of toluene.

Ordnance Ammonia Output to Be Upped

OPD Washington Bureau

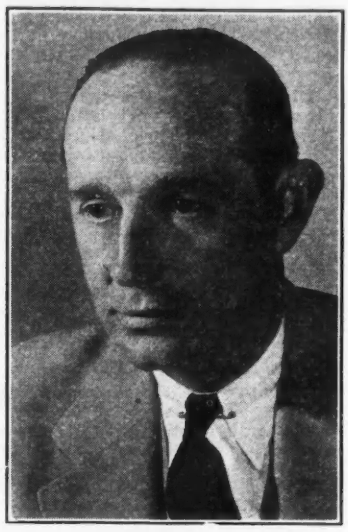
The Ordnance Department is producing 4,000 tons of anhydrous ammonia monthly to alleviate shortage of chemicals used in the production of fertilizer. The monthly ordnance quota will be raised shortly to 8,000 tons. Three plants set aside for the purpose by the Ordnance Industrial Service are:—Buckeye Ordnance Works, Ironton, Ohio; Jayhawk Ordnance Works, Pittsburg, Kan.; and Ozark Ordnance Works, El Dorado, Ark. The Buckeye plant has been leased by the Reconstruction Finance Corporation, and the other two are being operated by Ordnance until their sale has been negotiated by RFC.

The material from the Jayhawk Works and the Ozark works in handled by E. I. duPont de Nemours & Co., and the Barrett division of Allied Chemical & Dye Corporation, respectively, for marketing to the trade, which is the same way it was handled throughout the war. The duPont company and the Barrett organization perform this marketing activity without cost to the government. The production of Buckeye is distributed by Atmospheric Nitrogen Corporation, which has the plant under a ten-month lease from WAC. Military Chemicals, Inc., will operate the Jayhawk plant when arrangements regarding the use of patents are worked out and the lease formally signed.

Textile Institute Headed by Sanders

Lewis Sanders, recently discharged as a Colonel in the Army, has been elected president of the Textile Research Institute. While in the Army, Mr. Sanders was consultant on manpower and industrial matters for the military affairs committee of the Senate.

Deputy Stabilizer



James F. Brownlee has been appointed Deputy Economic Stabilizer, according to Chester Bowles, director of Economic Stabilization.

Streptomycin Clinical Study Is Funded

Grants-in-aid for clinical study of streptomycin amounting to more than $500,000, contributed in equal shares to the National Research Council by eleven pharmaceutical manufacturers constituting the Streptomycin Producers Advisory Committee of the Civilian Production Administration, have been announced by Roy S. Koch, of the Chemical Division of CPA.

The grants-in-aid are to finance a program for the clinical evaluation of streptomycin in infectious diseases by the committee on chemotherapeutics and other agents of the National Research Council. Dr. Chester S. Keefer, of Boston, who headed the clinical investigation of penicillin for the Office of Scientific Research and Development during the war, will have charge of the new program to bring in a report, with recommendations, on "Streptomycin: The Indications, Contra-Indications, Mode of Administration and Dosage."

Streptomycin production has increased from approximately 3,000 grams last September, CPA said, to approximately 27,000 grams expected in March, 1946. This is equivalent to 27,000 vials of 1,000,000 units each.

Antibiotic Drug Tests Amended by FDA

A number of technical and clarifying amendments to regulations covering the testing and methods of assay for antibiotic drugs and for certification of batches of drugs containing penicillin were issued by the Food and Drug Administration March 1, and appeared in the *Federal Register* for March 2. The amendments are made to the several paragraphs of sections 141 and 146 of the regulations and became effective on the date of publication in the *Register*.

Dahle Leaves FDA For Bristol-Myers Corp.

OPD Washington Bureau

Dan Dahle, chief of the Cosmetics Division of the Food and Drug Administration, is leaving the agency March 22 to become head of the research department at the Hillside, N. J., plant of Bristol-Myers & Co.

G. Robert Clark will be acting head of the cosmetics division. Mr. Dahle, who has long been associated with the problems of the cosmetics industry while with FDA, served as a special consultant on cosmetics during the early period of the War Production Board.

Rotenone Processors To Meet with CPA

OPD Washington Bureau

Processors and importers of rotenone are scheduled to meet with the Civilian Production Administration March 12 for a discussion of a whole range of problems affecting the rotenone industry. Among matters to be taken up are continuance of the public purchase program, imports and distribution.

Can Quotas for Paints And Drugs Reestablished

OPD Washington Bureau

Reestablishment quotas on the use of metal cans for the packing of paints, chemicals and a long list of food and nonfood products was announced by the Civilian Production Administration March 6 to meet the critical shortage of containers because of the steel strike. At the same time the agency modified controls imposed during the strike governing the use of tinmill products and tin containers for the packing of essential and perishable food products.

Under the amended order M-81, all nonfood users of cans are given a quota of 100 percent of 1945 use, with the exception of the following products, whose quotas are unlimited:—Pharmaceutical and chemically pure alcohol, blood plasma, glycerin, chloroform and ether, and any nonfood product for Army and Navy use only.

Under the amended regulations, direction 9 to M-21, the steel preference order, steel producers may now set aside 15 percent of their monthly tinmill production for uses other than the production of containers for seasonable and perishable food products, drugs, medicinals and biologicals. Direction 9 formerly required the channelling of 100 percent of tinmill products for the above products.

At the same time, CPA also established a preference schedule for tin-can manufacturers under which the above-mentioned products receive first priority on available tinplate, but tinplate can be used for packing other products, if available.

Economic Poisons Bill Introduced in House

The revised bill for regulation of the marketing of economic poisons and devices was introduced in the house March 1 by Representative John W. Flannagan of Virginia, chairman of the house committee on agriculture. The bill, H. R. 5645, is a substitute for the original bill, H. R. 4851, on which the committee held several days of hearings last month.

As introduced the legislation is understood to be generally satisfactory to the insecticide industry and to the chemical industry. None of the fundamentals of the original measure have been changed and the only revisions were in the interest of clarity and elimination of conflicting language. It has not been decided whether additional hearings will be held by the committee before it acts to report the bill to the house.

Public Health Centers Grants Asked in Bill

Representative J. Percy Priest, of Tennessee, has introduced a bill (H.R. 5628) in the house to amend the public health service act to authorize grants to the States for surveying their hospitals and public health centers and for planning construction of additional facilities, and to authorize grants to assist in such construction. An appropriation of $75,000,000 annually to carry out the construction program is provided for the next four years.

Potash Salts Allocation By CPA Recommended

OPD Washington Bureau

A proposal that primary potash salts be put back under allocation until present excessive demands are reduced to more normal levels was placed before the Civilian Production Administration last week by members of the Potash Productions Industry Advisory Committee. The suggestion contemplates reestablishment of allocation delivery quotas by June 1, 1946. The recommendation was unanimously concurred in by members of the committee.

The decision to recommend allocation followed discussion of the critical worldwide shortage of potash and the adverse effect this may have in resuming normal agricultural production in devastated areas. It was pointed out that prewar exports from important supplying sources, such as France and Germany, are not in sight at the present time, and this country, while producing at record levels, faces a deficiency in supplying even domestic demand.

No indication was given by government officials at the meeting as to the final disposition of the recommendation. It was pointed out that several government agencies are concerned with the problem and the proposal will have to be studied by all of them before action is taken. It was indicated at the meeting that export setasides will probably be required of the industry for meeting Western Hemisphere requirements.

It was brought out that Japan faces a serious food and fertilizer problem. With only small domestic production of potash, the country will need heavy imports of phosphates and potash. Normal Japanese imports of potash fertilizer materials were made from Germany and the United States, but the present outlook is against resumption of this trade during the next few months, it was indicated.

A discussion of the situation in Germany brought out the fact that in the American, English and French zones enough potash is being mined to meet local needs, but normal exports are impossible at the present time. The situation in the Russian zone is not clear at the moment, officials said, but it is possible exports may be available in the near future for deliveries to undersupplied European markets. Operations of the Alsatian potash mines in France are expected to approach 1938 levels in the near future.

Patents Infringement Legislation Passes House

OPD Washington Bureau

Legislation modifying the existing law in a number of important respects as regards the amount of damages that can be obtained by holders of patents in their suits for infringement was passed unanimously March 4 by the house. The bill (H.R. 5311) now goes to the senate for concurrent action.

The bill is an amendment to section 2491 of the revised statutes and allows the courts, in case the infringement of the patent is innocent, merely to assess royalties and restrain further infringement, and in case of wilful infringement to provide what the damages shall be. The bill states that recovery of damages shall not be had for any infringement committed more than a six years' period to the filing of the complaint.

Zirconium Corp. Plant Destroyed by Fire

The plant of the American Zirconium Corporation, St. Helena, near Baltimore, was destroyed by fire last week. The damage was placed at $1,100,000. The American Zirconium Corporation is the chemical and pigment division of the Glidden Company, paint manufacturer, Cleveland.

Recent Imports

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New York Imports

ACID, CRESYLIC—100 dms, J H Faunce
100 dms, Lehn & Fink Products Co
90 dms, American British Chemical Supplies, Inc
30 dms, Republic Chemical Co
145 dms, Monsanto Chemical Co
250 dms
TAR—60 dms, International Forwarding Co
ALOE—16 cs, Bank of London & South America
ALUMINUM FOIL—95 cs, Aluminum Import Co
ANISE, STAR—34 bgs, R J Prentiss & Co
34 bgs, Peek & Velsor
112 bgs, Bingham & Co
50 bgs, Wm M Allison & Co
60 bgs
ANNATTO SEED—164 bgs, Pablo Calvet & Co
BABASSU KERNELS—2,500 bgs, General Foods Corp
BALSAM COPAIBA—29 cs, Dodge & Olcott Co
BARBASCO ROOT—7,986 bls, United States Commercial Co
BERYLLIUM ORE—2,040 bgs, Philipp Bros
CADMIUM METAL—20 cs, African Metal Corp
CAFFEINE, ANHYDROUS—1 cs, Balfour Guthrie & Co
CALAMUS ROOT—35 bls, Manufacturers Trust Co
CARAWAY SEED—154 bgs, 16,940 lbs, Chase National Bank & Trust Co
200 bgs, 22,000 lbs
CASEIN—200 bgs, 26,000 lbs, Mercantile Metal & Ore Corp
500 bgs, 65,000 lbs, Paul & Stein Bros
4,800 bgs, 624,000 lbs, First of Boston International Corp
508 bgs, 66,040 lbs, McLaurin Jones Co
1,000 bgs, 130,000 lbs, American British Chemical Supplies, Inc
2,000 bgs, 260,000 lbs, Carl M Loeb-Rhoades Co
4,065 bgs, 528,450 lbs, American Cyanamid & Chemical Corp
CASHEW SHELL LIQUID—50 dms, Irvington Varnish & Insulator Co
CASSIA—200 bls, C T Wilson & Co
100 bls, Catz American Co
48 bls, A G Dunn
BROKEN—307 bls, A G Dunn
ROLL—200 bls, A G Dunn
300 bls, W E Martin
CASTOR BEANS—24,975 bgs, 3,746,250 lbs, Spencer Kellogg & Sons
10,967 bgs, 1,645,050 lbs, Chase National Bank & Trust Co
45,526 bgs, 6,828,900 lbs, Baker Castor Oil Co
1,256 bgs, 188,400 lbs, Tunley & Co
CELERY SEED—354 bgs, 46,020 lbs, A G Dunn
CHALK—200 bgs, Taintor Trading Co
600 tons, Taintor Trading Co
1,600 bgs, National City Bank
1,000 bgs, C B Chrystal & Co
PRECIPITATED—300 bgs, H J Baker & Bro
CHILLIES—800 bdls, Ludwig Mueller Co
CHLOROPHYLL—1 dm, Sandoz Chemical Works
COBALT—45 cks, African Metal Corp
OXIDE—569 cks, African Metal Corp
COCOABUTTER—762 cs, Westfeldt Bros
1,270 cs, General Cocoa Co
2,625 cs, Ernest Adler & Co
7,028 cs, Woodward & Dickerson
169 cs, Gardar Gislason Trading Co
800 cs, T M Duche & Sons
367 cs, Max Seger & Co
4,234 cs, Golodetz & Co
COCOA RESIDUE—1,415 bgs
COLOCYNTH—26 bls, E Meer & Co
COTTON LINTERS—118 bls, J E Bernard & Co
999 bls, Kroehler Mfg Co
6,498 bls, Simmons Co
1,055 bls, Williamson Prod Co
COTTONSEED HULL FIBER—1,200 bls, Norton & Ellis
CREAM OF TARTAR—160 bbls, Bank of Toronto
CUMIN SEED—235 bgs, Otto Gerdau Co
737 bgs, Khosrovaschabi & Co
411 bgs, C T Wilson & Co
308 bgs, Archibald & Kendall
DILLSEED—415 bgs, W G Scarlett & Co
830 bgs, Kachurin Drug Co
DYES, ANILIN—204 dms, Sandoz Chemical Works
20 kgs, L & R Organic Product Co
EUPHORBIA—111 bls, R J Prentiss & Co
FENUGREEK SEED—133 bgs, W E Martin & Co
FILTER PAPER—12 cs, Reeve Angel & Co
FISH LIVERS—60 bbls, E S Ullman Allied Co
59 bbls, Strohmeyer & Arpe Co
FLEASEED HUSK—1,180 bgs, S B Penick & Co
216 bgs, W E Martin & Co
399 bgs, Peek & Velsor
1,100 bgs, R J Prentiss & Co
220 bgs, Parke Davis & Co
625 bgs, T M Duche & Sons
110 bgs, Kachurin Drug Co
190 bgs, Hartz Mountain Product Co
GLUE, BONE—1,400 bgs, Transatlantic Animal By-Product Corp
GLUESTOCK, HIDE—240 bgs, Transatlantic Animal By-Product Corp
144 bgs, E Butterworth & Co
GLYCERIN—400 dms, E I du Pont de Nemours Co
GRAPHITE—1,250 bgs, Asbury Graphite Mills
500 bgs, Joseph Dixon Crucible Co
1 cs, Wm Richardson & Co
2 bgs, Denver Equipment Co
GUARANA SEED—20 cs, Simonix Co
GUM, ARABIC—150 bgs, Irvin M Sobin Co, Inc
250 bgs, Innis, Speiden & Co
300 bgs, American Cyanamid & Chemical Corp
250 bgs
CHICLE—70 cs, Earle Bros
COPAL—955 bgs, H W Peabody & Co
250 bgs, Thurston & Braidich
100 bgs, Newhall & Co
620 bgs, G W S Patterson & Co
1,831 bgs, Gillespie-Rogers-Pyatt Co
100 bgs, Francisco Newhall & Co
400 bgs, S Winterbourne & Co
300 bgs, American Cyanamid & Chemical Corp
708 bgs, France, Campbell & Darling
2,001 bgs, O G Innes Corp
DARAGY—247 bgs, Brown Bros-Harrimann Co
KARAYA—80 bgs, M Vaupel
290 bgs, Wm M Allison & Co
88 bgs, American Cyanamid & Chemical Corp
66 bgs, Colony Import & Export Co
796 bgs, S B Penick & Co
334 bgs, Paul A Dunkel & Co
320 bgs, Judson Sheldon Corp
333 bgs, Thurston & Braidich

—*Continued on page* 50

OPD Price Index

The OIL, PAINT AND DRUG REPORTER's relative record of prices for chemicals and related materials is currently as follows:—

Mar. 7, 1946	Feb. 28, 1946	Mar. 9, 1945
135.1	**136.0**	**133.0**

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

The big egg season took another pull at the price structure in the markets for chemicals, oils, and drugs last week. The result was a sizable depressing of the general average. The downpull was helped by trends in essential oils; while drugs exerted an upward push.

One new item of interest was a slight cut at one place in the pyridin price schedule. Another matter of interest, but not yet of influence was the resumption of production of coconut oil on the Pacific coast from Philippine copra.

Surplus Commodities, Properties Offered

OPD Washington Bureau

The War Assets Corporation has announced that the following surplus chemicals are for sale through its Louisville, Ky., regional office:—Acetic acid, glacial in 5-pound bottles, 113,600 pounds; carbonite in 180-pound fibre drums, 101,160 pounds; dinitrotoluene in fibre drums, 1,000,000 pounds; potassium sulphate in 400-pound fibreboard drums, 115,925, and toluene, 1 degree nitration grade, 909,900 gallons.

Six refineries with a daily combined capacity of 24,635 barrels of 100-octane aviation gasoline and 6,500 barrels of other grades of gasoline, together with storage facilities, are for sale or lease, WAC has announced. The refineries are located in Salt Lake City, Utah; El Dorado, Arkansas; Cheyenne, Wyoming and Catlettsburgh, Kentucky. Also offered is a chlorine caustic plant, Las Vegas, Nevada. The property consists of two complete units operating as a single unit within the basic magnesium plant at Las Vegas. Each of the two units has a capacity of 100 tons of chlorine daily, together with facilities for the recovery of caustic soda.

The consumers goods division is offering an extensive list of laboratory glassware and equipment.

The WAC regional office in Cleveland will furnish details on a clinkered dolomite plant in Maplegrove, Ohio, for sale or lease. The plant adjoins a similar plant owned by Basic Refactories, Inc.

The Houston, Tex., regional office of WAC is offering a synthetic rubber plant for sale or lease at Welasco, Texas. Situated on 40 acres, machinery and equipment are designed particularly for the production of Thiokol-N synthetic rubber.

The Los Angeles regional office is offering 1,048 pounds of lubricating grease; 2,608 pounds of low temperature grease.

The following commodities are available at the Richmond, Va., regional office:—

Enamel, 4,800 gallons; wood filler, 8,394 pounds; red lead, 4,625 pounds; lustrelous enamel, 2,657 gallons; oleo resinous emulsifiable camouflage paint, 40,000; ready mix paint, 12,000 gallons.

The New York regional office is offering 8,601 gallons of lacquer, enamels, thinners and primers.

Wagner Act Bargaining Applies to Foremen

OPD Washington Bureau

That the guarantees of the Wagner act applied to supervisory employees who wish to join a union and bargain collectively with their employers was ruled last week by the National Labor Relations Board. The ruling was made in a case of involving coal mine foremen.

Obituaries

Ferdinand H. Henning

Ferdinand H. Henning, eastern division sales manager for the Manhattan Soap Company, New York, died of a heart ailment March 5, in Rutherford, N. J. Mr. Henning, who was with the company for eight years, was fifty-eight year old.

L. E. May

Laurence E. May, chemist for the Sherwin-Williams Company, paint manufacturers, Cleveland, died suddenly March 1, at his home in La-Porte, Ind., from coronary thrombosis. He was fifty-one.

Mr. May joined Sherwin-Williams thirty years ago, shortly after graduating from Bradley College, Peoria, Ill. At the time of his death he was general superintendent of the pigment, chemical and color manufacturing departments at the Sherwin-Williams Chicago plant.

Henry McSweeney

Henry McSweeney, co-founder and president of the United States Potash Company, Carlsbad, N. M., since 1925, died in Atlantic City, N. J., March 5. He was ninety-one years of age.

A native of Pennsylvania, Mr. McSweeney, as a young lawyer in 1884, was appointed general solicitor, with offices at Oil City, Pa., for two subsidiaries of the Standard Oil Company. In 1905, with the late James H. and George G. Snowden, he formed Snowden & McSweeney Company, which became one of the leading independent oil producers in the United States. Mr. McSweeney was president from its formation until it was merged with Texas Gulf Producing Company in 1944.

It was his oil company drilling near

—*Continued on page* 48

FTC Counsel Denies Label Control Charges

OPD Washington Bureau

Charges made by proponents of the Reece bill (H. R. 2390) that the Federal Trade Commission, through its authority to regulate the advertisement of food, drugs and cosmetics, was also extending its control to the labeling of these products were countered with a flat denial from representatives of the commission at hearings this week before a subcommittee of the house interstate and foreign commerce committee.

James W. Cassedy, special counsel for the FTC, whose appearance before the committee was devoted to a discussion of the conflict of jurisdiction between the commission and the Food and Drug Administration over labeling, explained in great detail the policies and practices of the commission over advertising, and accused the proponents of the bill.

Trade-Sale Paint Ceilings Adjusted

OPD Washington Bureau

An amendment to its ceiling regulation to permit individual manufacturers of trade-sale paints to apply for an adjustment of their ceiling prices was announced March 8 by the Office of Price Administration. Effective March 13, the action was taken following indication that some low-priced manufacturers were unable to continue production at existing ceilings, which are frozen at 1942 level.

Camphor from Formosa Offered by Shanghai

One of the first offers of Formosan camphor to come from Chinese sources reached New York from Shanghai by cable last week via San Francisco. Five tons each of powder and slabs were offered for bid by consumers of natural camphor in this country. The cable carried no prices and the disposition here was to suggest the Shanghai merchants set a price on the merchandise they offered. Just before the war caused Japanese camphor to disappear from the general market, slabs brought around $1.60 per pound *spot*.

Oil, Paint and Drug Reporter, Vol. 149, No. 10, March 11, 1946. Published weekly by Schnell Publishing Company, Inc., 59 John St., New York 7, N. Y., U. S. A. Tel. REctor 2-9820. Subscription price:—United States and possessions, Cuba, Mexico, Central America and South America, $5; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter, January 15, 1884, at the New York Post Office under the act of March 3, 1879. Copyright, 1946, by Schnell Publishing Company, Inc.

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Merck & Co.

Net income.....	$2,283,970	$2,242,108
Per share.....	1.80	1 75

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

The innumerable strikes and the general unrest that have prevailed in industry since VJ-Day are considered to have thrown the reconversion program back at least six months. The effects of these disturbances are beginning to show up in many lines, and this is making it almost a certainty that the Civilian Production Administration will have to be continued in existence beyond June 30.

Industrial experts are saying that, although the biggest hurdle—the settlement of the steel strike—has been passed, the path ahead is by no means an easy one. What they are looking for now is a general wave of strikes in the plants producing components that will further tend to retard the big producers of such things as automobiles, refrigerators, and other mass-production items from getting back into full swing. The workers in the smaller plants naturally "want in" for their share of the general wage rise.

All this is producing more headaches for CPA. Anxious as it is to get out of the business of channeling scarce materials from producers to consumers, there are more demands now that it restore some of the wartime controls than there are demands that the few controls remaining be abolished. For example, in lead it is nip and tuck whether controls might not have to be tightened before long. With the lifting of controls over use of rosin hardly a month old, there is serious talk of the necessity of restoring some of them. Potash producers also are urging CPA to resume allocation of their material.

The answer to the question whether the government continues to help industry over the bumps or carries through the fallacy that industry will be better off free of government controls rests with Congress. The matter is now up for consideration by the house judiciary committee.

Koch Leaving CPA Drugs

The Drugs Section of the Chemicals Division of the Civilian Production Administration will be going through something of a reorganization in the next week or so. Two of its staff members are resigning; two new faces are being brought in to replace them; and the section will have a new chief.

Roy S. Koch, who has been chief of the section since Fred Stock left last year, is resigning March 15 after more than four and a half years' service in helping the drug industry with its war and postwar problems. He is going with William R. Warner & Co., New York, as assistant to the president. Sylvan Falk, who also has been with CPA and its predecessor WPB for four years, and prior to that was with the Food and Drug Administration for eleven years, leaves April 1 to become associated with Bristol Laboratories.

The two faces new in the section, but which will be recognized by those who trampled the corridors of the chemicals division for the past half-dozen years, are Dr. Edward Haenni and Frank Bradley. Dr. Haenni, who has been handling solvents problems for the past two years in the division, will take over administration of the penicillin and streptomycin orders. He spent twelve years with FDA before joining WPB. Mr. Bradley was in the WPB Drugs and Cosmetic Section in 1942, but left for military service. He is a civilian again and is rejoining the drugs section. Before 1942 he was with the Bureau of Animal Industry of USDA.

The new chief of the section will be Henry W. Heine, who has been on leave of absence from Purdue for the past four years. During this period he has handled principally problems of quinine, quinidine, and other cinchona alkaloids for WPB and CPA.

Wood Distillation Slumps

The Office of Price Administration is facing the necessity of doing something to help out the producers of acetic acid by wood distillation. Producers haven't been able to engage in profitable operations since the war and as a result, according to complaints, they are seeing their market being undermined, or at least taken over temporarily, by the synthetic product.

Supplies of chemical wood for charcoal have been declining, together with prices for by-products. The unbalanced situation is developing to a point where producers indicate that they are curtailing production or closing down entirely, and this is of decided consequence to industrial users of charcoal for such products as carbon bisulphite, smelting and alloys, charcoal pig iron, and case-hardening and heat-treating steel.

The Civilian Production Administration says that the problem also has its relationships with rosin, turpentine, chestnut wood extract, lumber, and pulpwood—all of which are produced largely in the Southern area. And the labor used for producing the raw material is in part interchangeable.

Surplus Disposal Problems

Officials of the War Assets Corporation figure that they will have a favorable market within which to dispose of the government's huge surplus stocks of only about a year's duration, and as a result, some rather radical changes in disposal policies may be forthcoming in order to capitalize on this brief period.

One of the most important changes is likely to be in the direction of giving the regional offices of the agency greater leeway in getting rid of materials in large quantities. At the present time they have to refer to Washington for programing and approval all items valued at $25,000 or more. There is talk now of moving this up to $500,000 or more. Another proposal is to select items of most importance and concentrate on getting them sold.

The biggest bottleneck to quick disposal, however, is the system of priority claimants set up in the law, and more discretion should be allowed officials in evaluating the different objectives of the act as they apply to specific situations. Another bottleneck right in the agency itself, which officials haven't yet recognized, is the difficulty of getting on the mailing lists of the regional offices by those who want to help by publicizing what they have to offer.

Wage Boost Opposed

A big backfire of opposition is being built up against the senate labor committee's bill to raise the minimum wage levels of the wage-hour law to 75 cents an hour, now that the provisions of the bill are becoming more readily understood. Members of Congress report that their mail is increasingly filled with statements and propaganda against the legislation.

What appears to be arousing most of the opposition is the broadening of the scope of the wage-hour law to a point where no one knows where the statute begins and where it ends. The bill applies to the employees of any employer whose business "affects" commerce. While it is stated that this is specifically to include workers in large chain and independent retail and service business, it conceivably could include such intrastate businesses as the operation of hotels.

Farm groups also are expressing concern over the bill because of its elimination of the "area of production" exemption from the law and providing only for a fourteen-week seasonal exemption. Because so many rural areas are spotted with industries, there isn't much doubt as to whether the farmers or the industries will set the wage patterns in such areas.

Rubber Problem Persists

The announcement last week by the Office of Rubber Reserve of the reopening of the government's plant at Institute, W. Va., for the production of butadiene was a tip off that all is not going so well with the plans to

—*Continued on page 80*

Nitrogen Production Reported Up to Schedule

OPD Washington Bureau

With the exception of sulphate of ammonia and nitrogen solutions, production of nitrogen supplies and imports are keeping approximately up to schedule, the Nitrogen Producers Industry Advisory Committee was informed by the Civilian Production Administration at a meeting with CPA and other government officials here this week.

Production of sulphate of ammonia and solutions are somewhat below schedule because of the strike in the steel industry, but it was thought by industry members that production will be back to normal again by March 20. Industry members said that they estimate the loss in sulphate of ammonia production as a result of the strike at 124,000 tons, and described this as being an optimistic estimate.

Deliveries of nitrogen supplies of United States origin from July, 1945, through January, 1946, in terms of "N," the CPA reported totaled 310,600 tons against the goal of the 1945-46 program of 563,580 tons. Imports from Chile have amounted to 38,600 tons, against the goal of 104,000 tons. Imports from Canada amounted to 68,975 tons against the year's goal of 105,010 tons.

Nitrogen deliveries against the 1945-46 goal are shown in the following table:—

	Tons Nitrogen— July '45 through Jan. '46 deliveries	1945-46 program
U. S. Production—		
Ammonia sulphate	92,300	170,150
Solutions	94,300	170,000
Cal-nitro and uramon	16,400	28,530
Soda nitrate, synthetic and by-product	18,800	44,000
Ammonium nitrate—		
U. S. (32.5)	31,800	32,650
Ordnance (32.5)	39,600	68,250
Organic	17,500	30,000
Imports from Chile	38,600	104,600
Imports from Canada—		
Ammonia sulphate	16,200	24,600
Cyanamid	21,600	29,400
Ammo-phos 11-48	2,050	3,850
Ammo-phos 16-20	4,025	6,960
Amonium nitrate (33.5)	25,100	40,200
Total U. S. supply	418,175	772,590
Less exports		73,472

During the meeting discussion also was had on the problem of nitrogen supplies for Germany and Japan. The opinion prevailed that there was little chance of meeting the requirements of these two countries from United States production.

Dr. A. R. Merz of the Chemicals Division of the Tariff Commission, who recently returned from an inspection of Japan, reported that there are seventeen sulphate of ammonia plants in Japan but that production at this time is negligible because of destruction from bombing during the war, because they are otherwise in need of repairs, and because of general inertia.

Oil for Marine Paints Quota Exemption Asked

A proposal to exempt from quota restrictions the oil used as a constituent in marine paints has been presented to a meeting of the Marine Paint Manufacturers Industry Advisory Committee, the Civilian Production Administration has announced. An industry task committee was appointed to work out the details.

The plan, as proposed jointly by the War Shipping Administration and the Fats and Oils Branch of the Production and Marketing Administration in the Department of Agriculture, is to exempt from quota restrictions oil in all marine paint to be used on ships of the War Shipping Administration and on ships under WSA jurisdiction; that is, on virtually the entire merchant fleet of the United States.

French Potash Outfit Increase Reported

Operations of the Alsatian potash mines in France are expected to approach 1938 levels in the near future, according to the Department of Commerce. Production has increased progressively since February, 1945. The output in October, latest month for which figures are available, amounted to 158,700 metric tons of crude salts. This was almost four times the output in June and a little less than half of the 1938 monthly average. Shipments during March-October, 1945, represented 75,319 tons of pure potash for France and French Colonies, and 27,839 tons for foreign destinations.

Phosphate Rock Exports Discussed

OPD Washington Bureau

Problems facing United States producers of phosphate rock in meeting the unfiled quota of 58,000 tons of phosphate for Australia and New Zealand were discussed at a meeting here this week by the Producers Industry Advisory Committee with the Civilian Production Administration.

Australia and New Zealand normally obtain their supplies of phosphate from the Nauru and Ocean islands, but they have been left in such a deplorable condition by the Japanese that it has become necessary for the Combined Food Board to schedule a part of the requirements from the United States. Nauru and Ocean islands normally shipped 1,400,000 tons of pure rock annually. It is not expected that shipments can be resumed from the islands before July and that only 200,000 tons will be available for the season of 1946-47. The meeting was told that it probably would take four years to get production and shipments back to normal.

The United States industry, however, it was pointed out, is facing extreme difficulties in meeting this country's unfilled quota of 58,000 tons because of production problems. The producers told the officials that it was impossible for them to increase production because of the shortage of equipment. It was also pointed out that while there appears to be sufficient boxcars to move the material the industry also was encountering difficulties in obtaining small boats for coastwise transportation.

Officials of the CPA promised the industry to give immediate attention to the problem of getting additional equipment for the industry. The Fertilizer Committee of the Combined Food Board will meet March 21 to discuss the question of continuing world allocation of fertilizers.

Potash Deposits Held Sufficient for 200 Years

Potential and developed potash reserves in the United States are of such magnitude that, with a reasonable rate of exploration and development, there is no foreseeable shortage of supplies for agriculture and industry for hundreds of years, the consulting mining engineering firm of Behre & Dolbear & Co. declared in a report prepared for the American Potash Institute and made public March 8.

In sharp contrast to warnings of the Department of Agriculture, that the known deposits will be exhausted within fifty to 100 years, and therefore should be conserved as strategic reserves to be operated only in time of need, the report said that at the rate of consumption and imports prevailing for the years 1935-39, the known developed reserves in present active operations would last for more than 200 years.

The firm based its estimate on available government reports, of engineers engaged in the industry and supplemented by field investigations in the producing areas of New Mexico and California.

In a table of its findings, the engineering firm showed the proved and strategic potash reserves in the United States to amount to 1,260,068,000 tons of K_2O, consisting of the following:—

Sources in Production: 1945

	Tons
Brines	21,000,000
Highly soluble salts	85,963,000
Soluble—in operating mines but not in production—	
Polyhalite	240,060,000
Glaserite-hanksite	11,200,000
Insoluble—	
Greensand	513,905,600
Georgia shale	250,000,000
Wyoming	94,000,000

Carbon Black Exports In Boxcars Prohibited

The use of boxcars for bulk shipments of carbon black to ports for export has been ordered prohibited, effective March 21, by the Interstate Commerce Commission, to conserve these cars for more essential purposes. The commission found that these cars, when so used, were being held while the carbon black was packaged and reloaded for forwarding to shipside, thereby impeding the use and delaying the return of the cars. The prohibition will remain in effect until July 21.

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Forest Products Groups To Discuss Research

Pursuant to a suggestion by Dr. Grover C. Dillman, chairman of the forest products research committee of the Michigan Planning Commission, the United States Forest Products Laboratory, Madison, Wis., is sponsoring a conference there March 18 to 20, on State and Federal forest products research programs. George M. Hunt, director of the laboratory, has been notified by thirty-one States that they intend to have delegates in the conference.

The conference was called with two specific objectives in mind: (1) Mutual discussion of the status of and plans for forest products research by State and Federal agencies, and (2) consideration of the possibility of forming a permanent organization to facilitate the interchange of forest products research information. The first objective will be attained through reports to the conference by State delegations and Federal representatives, and it is hoped that steps toward the accomplishment of the second will be initiated by a preconference organizing committee whose chairman is Prof. Bror L. Grondal, of the College of Forestry, University of Washington, Seattle. This committee is to prepare a report for the conference, giving its recommendations about the feasibility of forming a national forest products research society.

If the preconference committee reports favorably in regard to a national society, and the conference approves, in principle, its establishment, a continuing committee representative of the many interest groups concerned will be selected to work out the details of the organization subsequent to the conference. It is recognized that a national society of this kind must have the full support of the forest products industries as well as of State and Federal institutions in order to be successful in accomplishing its purposes, and that to attain its maximum usefulness, the organization must serve the needs of engineers, chemists, wood technologists, wood-using industries, and others who require technical information about forest products. In the opinion of Mr. Hunt, it will be best for the national society to develop slowly on a sound and enduring basis. It can, in time, he feels, be one of the important technological societies of the country.

Forest Products Research Director Winslow Resigns

OPD Washington Bureau

Carlisle P. Winslow, director for twenty-nine years of the U. S. Forest Products Laboratory at Madison, Wis., has given up the directorship to become forest service consultant on wood products in the Department of Agriculture with headquarters in Washington. George M. Hunt, a member of the laboratory staff since 1913 and assistant director since January, 1944, has been named to succeed him.

A member of the original staff when the laboratory was established in 1910, Mr. Winslow became director in April, 1917. At that time, the organization employed eighty scientists and other workers as compared to 700 at the peak of its activities in connection with the second world war.

Mr. Hunt was born in 1884, at Salem, Oreg. He received his early education in the public schools there and was graduated from the University of California with a B.S. degree in 1911. He entered the Forest Service as an assistant chemist at San Francisco in September, 1911.

Crude Oil Price Ceiling Raise Planned

OPD Washington Bureau

An increase of 10 cents a barrel in ceiling prices for crude oil, at the producer level is planned by the Office of Price Administration, to take effect during the last half of March. Refiners will be required to absorb the increase, and therefore, no price changes are contemplated at this time. However, such absorption and its effect on prices to the public for petroleum products will be the subject of meetings between OPA and the National Refiners' Industry Advisory Committee.

Named Interior Chief

Julius A. Krug has been confirmed by the senate as Secretary of the Interior, to succeed Harold L. Ickes, who resigned a month ago. The thirty-eight year old native of Wisconsin, former chairman of the old War Production Board, is the youngest Cabinet member in history.

D.E.Green Gets Enzyme Chemistry Study Award

Dr. David E. Green, research associate in the Columbia University College of Physicians and Surgeons, has won the award, sponsored by Paul-Lewis Laboratories, Inc., Milwaukee, Wis., to stimulate fundamental research in enzyme chemistry. A bronze medal and $1,000 will be presented to Dr. Green at the meeting of the American Chemical Society in Atlantic City, April 8-12.

A native New Yorker, Dr. Green graduated from New York University in 1931 and did advanced study at the school of biochemistry, Cambridge University, England. He worked at Cambridge for several years under a Beit Memorial Research Fellowship, and served as assistant director of research in the university's biochemical laboratory.

U.S. Cuban Sugar Council Formed

Formation of the United States Cuban Sugar Council by a group of sugar companies owning or operating properties in Cuba has been announced by David M. Keiser, chairman of the council, who is president of the Cuban American Sugar Company. The primary objective of the new organization is to "assure a continuing supply of sugar for the American consumer at a reasonable price by maintaining an adequate flow of Cuban sugar into the United States market."

Harvard to Establish New Biochemistry Dept.

Harvard University will establish a department of biochemistry in the faculty of arts and sciences. The new department will be composed of three subdepartments; biological chemistry and physical chemistry at the Harvard Medical School in Boston, and a new subdepartment of biochemistry at Cambridge.

Heretofore research and graduate instruction in biochemistry have been centered in the medical school.

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Insecticide and Fungicide—Diluting agent for DDT in the formulation of delousing powders. Filler in agricultural insecticidal preparations.

Leather—Talc substitute as filler in finishing, dressing impregnating, and polishing preparations.

Linoleum and Oilcloth—Talc substitute as dusting and antisticking agent and filler.

Mechanical—Ingredient of lubricants.

Metallurgical—Talc substitute as mold-dusting agent.

Miscellaneous—Adsorbent for various purposes.

Dusting agent for various purposes.

Filler for various purposes, specifically in coatings, crayons, chalks, polishes.

Material for slate pencils.

Paint, Varnish, and Lacquer—Talc substitute as filler in paints.

Paper—Talc substitute as filler in insulating, roofing, and wrapping paper.

Plastics—Talc substitute as filler in plastics.

Refractory—Ingredient of refractory cements.

Rubber—Talc substitute as dusting and antisticking agent for automobile tubes and rubber goods of all descriptions, and as filler in rubber goods.

Textile—Talc substitute as filler for fabrics, carpets, rugs, sizing compositions.

Wood—Talc substitute as filler in plastic wood and molding compositions.

Triethyleneglycol Di-normal-hexoate

Paint, Varnish, and Lacquer—Plasticizer (U.S. 2229222) in lacquers.

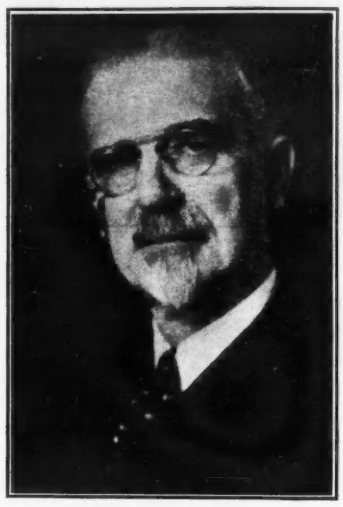
Softening agent (U.S. 2229222) in lacquers.

Plastics—Plasticizer (U.S. 2229222) for plastic compositions.

Softening agent (U.S. 2229222) for plastic compositions.

Wallace Cohoe Wins Messel Medal

Dr. Wallace P. Cohoe, consulting chemist, has been awarded the Messel Medal of the Society of Chemical Industry. Dr. Cohoe will accept the



Dr. Wallace P. Cohoe

award on July 12, 1946, and in the Messel Lecture he will discuss the "Importance of Science in Anglo-American Relationships."

The Messel Medal is awarded every other year for meritorious distinction in science or in the literature of chemistry or for meritorious service to chemical industry. It was established by the Society of Chemical Industry in honor of Rudolph Messel, who, at the age of twenty-three migrated from Germany to England and devoted the balance of his life to British chemical industry. Mr. Messel was managing director of the chemical firm of Spencer, Chapman & Messel Ltd., of Stratford.

Radar, Electronics Symposium March 22

A symposium on radar and electronics will be held in the Chemists' Club, New York, March 22. Gordon Crecraft, of the New York Telephone Company, will describe and demonstrate the latest in communications. The symposium is sponsored by the symposiarchs committee of the club.

Canadian Chemists Plan Memorial for Westman

Establishment of a funded lecture in memory of the late L. E. Westman is being promoted among members of the Chemical Institute of Canada at the suggestion of a committee composed of A. E. MacRae (chairman), Dr. A. F. G. Cadenhead, and Prof. J. W. Bain. The recommendation of the committee was for the funding of the printing and distribution of a memorial lecture to be given by a distinguished scientist annually or as frequently as found feasible, preferably at an annual conference of the institute.

L. E. Westman, who was publisher of Canadian Chemistry and Process Industries, Toronto, contributed long and valuably to the professional advancement and co-operative endeavors of chemistry in Canada. He also served in various capacities in the chemists' organizations in the Dominion and had a large active part in the organization of the Chemical Institute of Canada, for which he provided the first headquarters office.

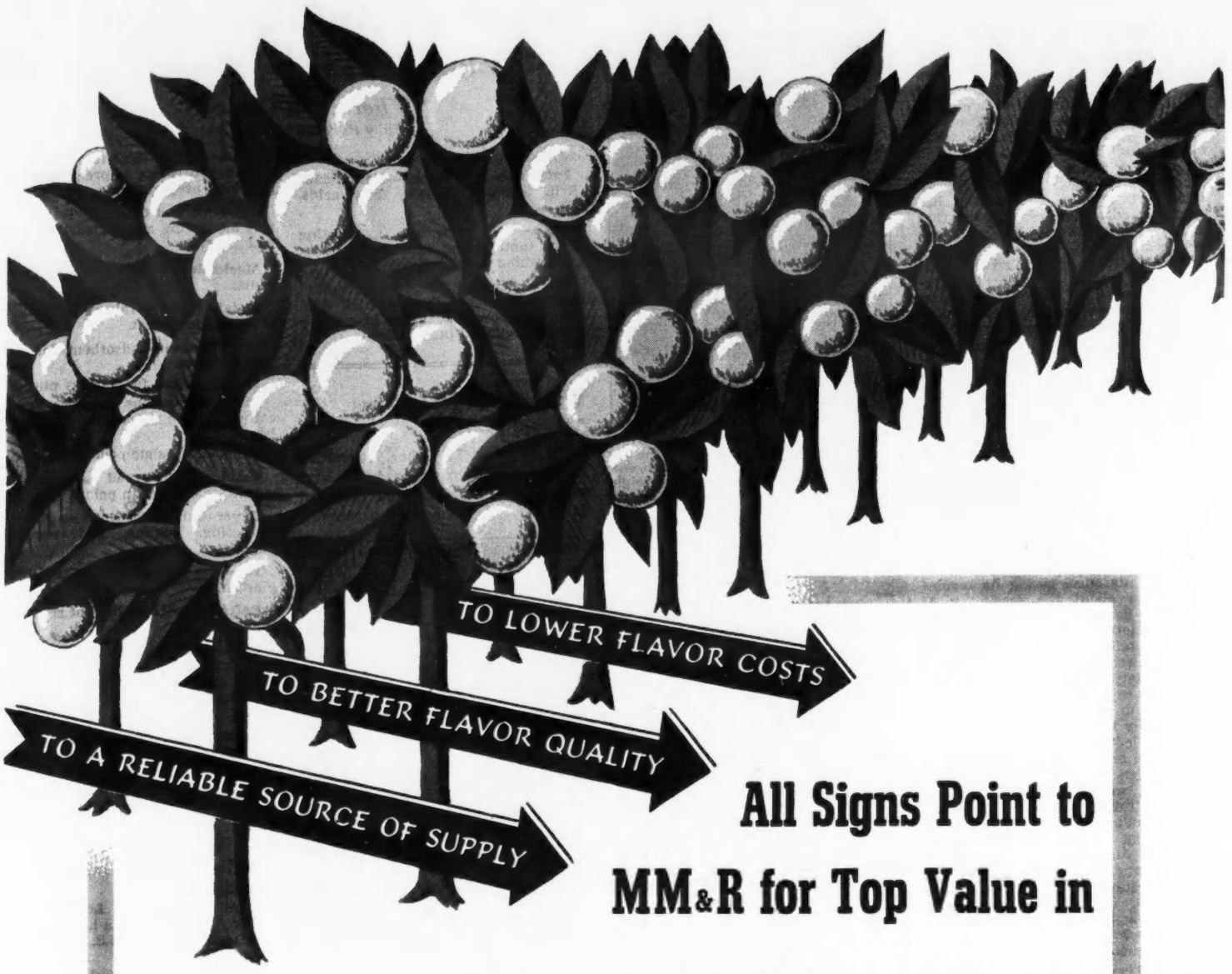
Dr. Frieden Resigns From Stein, Hall & Co.

Dr. Alexander Frieden has resigned as vice-president and director of the technical division of Stein, Hall & Co., New York. Lt. Col. J. Rex Adams, who served for five years in the Chemical Warfare Service, has been named acting manager of the technical division. Dr. Frieden has been associated with Stein, Hall & Co. for more than ten years.

The Chicago branch of Stein, Hall & Co. recently celebrated the opening of its new offices and laboratories at 23 East Jackson boulevard. In addition to general and private offices, the new location includes an industrial and a food laboratory.

Association Meeting Dates

American Chemical Society, Convention hall, Atlantic, N. J., April 8.
American Drug Manufacturers Association, Cavalier hotel, Virginia Beach, Va., May 6-9.
American Institute of Chemical Engineers, Baton Rouge, La., March 21.
American Trade Association Executives, Ritz-Carlton hotel, Atlantic City, N. J., April 29.
Chamber of Commerce of the United States, Convention hall, Atlantic City, N. J., April 30-May 2.
Drug, Chemical and Allied Trades dinner, Waldorf-Astoria, New York, March 14.
Export Managers Club, Pennsylvania hotel, New York, March 19-20.
Interstate Oil Compact Commission, Mayo hotel, Tulsa, Okla., April 11-13.
Mississippi Valley Foreign Trade Conference, sponsored by Export Managers Club of New York, Pennsylvania hotel, New York, March 22-23.
National Farm Chemurgic Council conference, Statler hotel, St. Louis, March 18.
National Wholesale Druggists Association, Palmer house, Chicago, April 17-18.
Oil Trades Association of New York, Waldorf-Astoria hotel, New York, March 20.
Packaging Exposition, Convention hall, Atlantic City, N. J., April 2-5.
Packaging Machinery Manufacturers Institute, Convention hall, Atlantic City, N. J., April 1.
Paint Merchants Clinic, Pennsylvania hotel, New York, March 18.
Plastic Exposition, Biltmore hotel, New York, April 22-27.
Society of the Plastic Industry, Pacific Coast Section, Hollywood Roosevelt hotel, Hollywood, Cal., March 26-27.
Southern Paint and Varnish Production Club, Jung hotel, New Orleans, March 21-22.



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Current Market Quotations Chemicals and Related Materials

March 7, 1946

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

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A

Acacia (see Gum, Arabic).
Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works....lb. .14 - —
Acetaldol (see Aldol).
Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works..lb. .38 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50
Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
kgs. .....lb. .37 - .39
powd., bbls.....lb. .34 - .35
kgs. .....lb. .35 - .37
Acetic anhydride, dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —
Acetoacetanilide, bbls., dms...lb. .49 - .67
Acetone, CP,[1] dms., c.l., divd.lb. .07 - —
l.c.l., divd.....lb. .07½- —
tanks, divd.....lb. .06 - —
Methyl (see M).
Acetonitrile, dms., c.l., works..lb. .35 - —
l.c.l., works.....lb. .40 - —
5-gal. lots, works.....lb. .45 - —
less than 5-gal. lots, works..lb. .50 - —
Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms. .....lb. 1.08 - 1.10
Acetophenone, cns., dms.....lb. 1.50 - 1.75
Acetyl chloride, cbys., works..lb. .60 - —
Acid, abietic, dms., c.l., wks..lb. .07½- —
Acetic,[1] com'l or redist., 28%, bbls..100 lbs. 3.38 - 3.63
50%, bbls.....100 lbs. 5.58 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.96
80%, bbls.....100 lbs. 7.47 - 7.72
90.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., c.p., dms., works, 100 lbs.12.50 -13.25
99.5%, bls.....100 lbs. 9.15 - 9.40
tanks .....100 lbs. 6.98 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works....100 lbs. 6.98 - 7.25
USP, dms., works..100 lbs.10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.41 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.86
80%, bbls.....100 lbs. 9.26 - 9.51
USP, 36%, cbys.....lb. .08 - .10

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride).
Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .45 - —
smaller lots.....lb. .46 - .59
standard USP, fine cryst., gran. (20-40 mesh), powd. (50 mesh), bbls., same basis. lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works.....lb. .26½- —
Aminoacetic, USP (see Glycine).
Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —
Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs....lb. .20 - .22
Ascorbic,[1] USP, dms., 500-kilo lots..kilo.24.50 - —
25-50 kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.35 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —
Battery, cbys., c.l., E. works.. 100 lbs. 1.60 - —
l.c.l., E. works.....100 lbs. 1.95 - 2.55
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,000 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59
Betaoxynaphthoic, bbls., works. lb. .95 - —
Boric, tech., 99.5% cryst. (same as prices for powder). gran., bgs., c.l., frt. alld.. ton.99.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton. 95.50 - —
powd., bgs., c.l., frt. alld.. ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —
USP $25 per ton higher.
Butyric, 99%, dms., c.l., works, lb. .29 - —
l.c.l., same basis.....lb. .30 - —
Broener's bbls.....lb. 1.11 - —
Acid, cacodylic, bots.....lb.13.50 -14.50
Camphoric, cns.....lb. 6.95 - 7.00
Caprylic, 99%, dms.....lb. No stocks
Capric, tech., ret. dms.....lb. No stocks
Castor oil,[1] split, ret. dms...lb. No stocks
Chlorosulphonic, dms., c.l., works..lb. .03 - —
l.c.l., works.....lb. .03½- .04½
tanks, works.....lb. .02½- —
Chromic, 99½-99¾%, dms., c.l., lb. .17 - —
l.c.l. .....lb. .17½- .19
Cinnamic, refd., bots.....lb. 3.00 - 3.25
Citric, anhyd., gran., dms., c.l..lb. .22½- —
l.c.l., 10,000 lbs. 1 ship't. lb. .23 - —
smaller lots.....lb. .23½- .26½
kgs. .....lb. .23½- .26¼
USP, cryst., gran., bbls., c.l. lb. .20 - —
l.c.l., 10,000 lbs. 1 ship't, lb. .20½- —
smaller lots, bbls...lb. .21 - —
dms. .....lb. .23 - .24
kgs. .....lb. .21½- —
powdered citric acid, ½c. higher.
Cleve's, bbls.....lb. .65 - —
Coconut oil,[1] dist., dms.....lb. .17½- .19½
Corn oil,[1] s.d., dms., c.l., wks. lb. .12 - —
Cottonseed oil,[1] s.d., dms., c.l. c.l..lb. .12 - .13
tanks, divd.....lb. .11¾- .12¼
Cresylic, dom. coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis....gal. .83 - —
tanks .....gal. .75 - —
Petroleum, heavy grade (247°-298°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref.. gal. .616 - —
1-19, Cal. ref.....gal. .510 - —
Sewaren, N. J., ref.. gal. .636 - —
tanks, divd.....gal. .586 - —
light grade (200°-246°), tanks, Cal. ref..gal. .690 - —
medium grade (220°-246°), dms., 20, Cal. ref..gal. .50 - —
Sewaren, N. J., ref.. gal. .636 - —
1-19, Cal. ref.....gal. .570 - —
Sewaren, N. J., ref.. gal. .696 - —
tanks, divd.....gal. .646 - —
Crotonic, bbls., Canadian, wks., lb. .25 - —
Dichlorophenyoxyacetic, fib. dms., c.l., works..lb. .80 - —
l.c.l., works.....lb. .85 - .95
salt, fib., dms., c.l., works..lb. 1.00 - —
l.c.l., works.....lb. 1.10 - 1.20
Diethylbarbituric (see Barbital).
F (see Acid, monosulphonic).
Formic, 85%, cbys., c.l., wks.lb. .10 - —
l.c.l., works.....lb. .10½- .11
90%, cbys., c.l., works....lb. .10½- —
l.c.l., works.....lb. .11 - .11½
Fumaric, tech., bbls., dms..lb. .27 - .31
Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.15
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls....lb. .12 - —
dmjn. .....lb. .21 - .23
kgs. .....lb. .14 - .15
Glutamic hydrochloride, dms. lb. 2.00 - 2.40
Glycolic (see Acid, hydroxyacetic).
H, bbls.....lb. .43½- .45
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, medicinal, 48%, cbys., divd.E..lb. .45 - —
tech., 48%, cbys., same basis. lb. .45 - —
34%, cbys., same basis.....lb. .35 - .37
Hydrochloric (see Acid, Muriatic).
Hydrocyanic, cyls., works...lb. .80 - 1.00
NF, dilute, 2%, 5-lb. bots..lb. .30 - .34
Hydrofluoric, anhyd., cyls., wks. lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works..lb. .08 - .09
48%, rubber dms., works..lb. .12 - —
52%, rubber dms., works..lb. .12½- —
60%, rubber dms., works..lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09
Hydroxyacetic, 70% tech., bbls., non-return, Phila..lb. .084 - —
tanks, Belle, W. Va., acid basis..lb. .08½- —
Hypophosphorous, USP, djns. lb. .75 - .77
Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
smaller lots.....lb. .13 - .13½
80%, bbls., 5 or less.....lb. .24½- .24¾
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14¼- —
10 or less.....lb. .14¾- .15¼
80%, bbls., cbys., 5 or less. lb. .26 - .26¾
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works. 100 lbs. 3.90 - —
l.c.l., works....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XII, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55
Acid, lauric, dist., 95%, dms.lb. .28 - —
Laurent's, bbls.....lb. .45 - —
Linseed oil,[1,7] light, dms...lb. .21½- .22
Maleic, powd., dms.....lb. .30 - —
Anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, USP, dms., 1,000 lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic,[1] kgs., works.....lb. .95 - 1.10
Monochloracetic, tech., flakes, 96-97%, dms..lb. .16½- —
purified, flake, 99%, dms...lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., E. works....100 lbs. 1.75 - 2.45
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 175 - —
tanks, E works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys. extra..lb. .08 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys. extra....lb. .06½- —
6-lb. bots., extra.....lb. .08½- —
Myristic, dist., dms.....lb. No stocks
Naphthenic, 210-220 acidity, dms., extra, works..lb. .10¾- —
tanks, works.....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12¾- —
tanks, c.l., works.....lb. .12 - —
Nicotinic, USP, dms.....kilo. 6.50 - 6.60
Nicotinic amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works..100 lbs. 5.00 - —
l.c.l., 25, E., works.100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works....100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys. extra..lb. .13 - —
7-lb. bots., cs., extra, lb. .15 - —
dealers, cbys. extra....lb. .11½- —
7-lb. bots., cs., extra..lb. .13½- —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs. ....lb. .11½- —
smaller lots.....lb. .12½- —
Palm oil,[8] white, dist., dms..lb. No stocks
Para-aminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls., works..lb. .80 - —
Peanut oil,[1] s.d., tanks, works, lb. .11¼- —
Phenylacetic, bots.....lb. 1.65 - 1.85
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., c.l., works, frt. equald..100 lbs. 4.35 - 4.60
l.c.l., works, frt. alld., 100 lbs. 5.25 - 7.25
tankwagon, divd. N. Y., Phila. Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., c.l., works, frt. equald..100 lbs. 5.10 - 5.35
l.c.l., frt. alld....100 lbs. 7.00 - 9.50
tanks, works, frt. equald., 100 lbs. 4.00 - 4.25
tankwagon, divd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10¼- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10¼- —
25 cbys. to c.l.....lb. .11½- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .25 - —
Propionic,[1] synth., pure, dms., works..lb. .19½- —
tanks, works.....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - 2.08
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, dms., divd. E.. gal. .30 - —
Ricinoleic, com'l split (see Acid, castor oil, split).
Salicylic,[1] tech., bbls., c.l...lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .36 - .44
Sebacic, tech., dms., works..lb. .55 - .57
Soybean oil,[1] s.d., dms., works. lb. .11¾- .16½
tanks, works.....lb. .11 - .15¾
Stearic,[1] double pressed, bgs., c.l., divd. E. Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla., divd., lb. .16¾- —
single pressed, bgs., c.l., divd. E. of Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla., divd., lb. .15¾- —
triple pressed, bgs., c.l., divd. E. of Rockies..lb. .18¾- —
W. of Rockies.....lb. .19¾- —
Texas and Okla., divd., lb. .19½- —

Stearic acid l.c.l. prices are:—Ton lots, ½c. per lb. higher; less than ton lots, 1c. higher.

Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l. .....100 lbs. 1.50 - 2.20
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
Acid, sulphuric, CP, USP, consumers cbys. extra..lb. .08 - —
9-lb. bots., cs. extra..lb. .10 - —
dealers, cbys. extra....lb. .06½- —
9-lb. bots., cs. extra..lb. .08½- —
fuming, 20%, tanks, E. works, ton.19.50 - —
Tannic, tech., bbls., dms....lb. .71 - .72
USP, fluffy, bbls., 1,000 lbs.. lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.38
powder, bbls., 1,000 lbs..lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric,[1] USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .62½- —
smaller lots.....lb. .63 - —
kgs. .....lb. .63½- —
Thioglycolic, bbls., cbys., basis 100%..lb. 2.00 - 3.00
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic,[1] CP, 100-lb. pkgs....lb. 2.94 - 3.10
pure, 100-lb. kgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.10 - 1.40
Root, bls.....lb. 1.35 - 1.40
Aconitine, amorph., bots.....oz.23.00 -26.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.00 - —
Acrylonitrile, dms., c.l., frt. alld. lb. .39½- —
l.c.l., works.....lb. .40 - .41
tanks, frt. alld.....lb. .39 - —
Adeps lanae,[1] USP, anhyd., cosmetic, dms., works..lb. .33 - .34
pharmaceutical, dms., works. lb. .32 - .33
Agar .....lb. 3.50 - —
San Diego, Cal.....lb. 3.00 - —
Agaric, white, bls.....lb. 3.75 - 4.00
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1,7] powd., bbls....lb. 1.99 - 2.07
granular, cryst., bbls.....lb. 1.94 - 2.02
tech., cryst., bbls.....lb. 1.20 - 1.25
Alcohol, allyl, dms., c.l., divd.lb. .21 - —
l.c.l., divd.....lb. .21½- —
tankcars, divd.....lb. .20 - —
Amyl ex pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
(see also Fusel oil, ref.).
Benzyl, cns.....lb. .70 - .75
dms. .....lb. .65 - —
Butyl, normal,[1] ferment, Ill., Ind. prod., dms., c.l., frt. alld..lb. .1980- —
l.c.l., frt. alld. E....lb. .2030- —
tanks, frt. alld. E....lb. .1880- —
tankwagons, frt. alld. E..lb. .1930- —
other production, dms., c.l., frt. alld. E..lb. .1950- —
l.c.l., frt. alld. E....lb. .2000- —
tanks, frt. alld. E....lb. .1850- —
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E.....lb. .12¼- —
tanks, frt. alld. E.....lb. .10¾- —

Normal butyl alcohol prices in West, ¼c. per lb. higher.

secondary, dms., c.l., divd.lb. .095 - —
l.c.l., divd.....lb. .10 - —
tanks, divd.....lb. .08½- —
tertiary, denat., dms., c.l..lb. .12¼- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —
Capryl, dms., c.l., works...lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs. 1.75 - 1.80
smaller lots.....lb. 1.95 - 2.30
Cinnamic, bots.....lb. 3.00 - 3.55
Denatured,[1,7] CD14, dms., c.l., works, E..gal. .613 - —
l.c.l., works, E.....gal. .633 - .653
tanks, E. divd.....gal. .543 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., dms., c.l., E. works..gal. .612 - —
l.c.l., works, E.....gal. .632 - .652
tanks, E. works.....gal. .542 - —
Anhydrous 5c. per gal. higher.
SD2B, dms., c.l., wks., E.gal. .60½- —
l.c.l., works, E.....gal. .63½- .65¼
tanks, E. works.....gal. .53¾- —
SD23G, dms., c.l., works..gal. .652 - —
l.c.l., works.....gal. .672 - —
tanks, works.....gal. .582 - —
SD23H, dms., c.l.....gal. .61 - —
l.c.l., works, E.....gal. .63 - .66½
tanks, E. works.....gal. .54 - —
SD29, denatured, with acetaldehyde, dms., c.l., E. works. gal. .62 - —
l.c.l., works, E.....gal. .66½- .68½
tanks, E. works.....gal. .55 - —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD21 plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works, E..gal. .63 - —
l.c.l., works, E.....gal. .65 - .68
tanks, E. works.....gal. .56 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Controls on Materials

Applications of WPB, OPA and WFA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Specific price ceiling
[2]—Price agreement (sellers with OPA)
[3]—General Limitation Order
[4]—General Preference Order
[5]—Conservation Order
[6]—Allocation
[7]—War Food Order

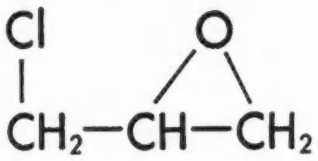
Alcohol, diacetone, acetone-free, dms., c.l., divd..lb. .11½- .14½
l.c.l., divd.....lb. .12 - .15
tanks, divd.....lb. .10½- .13½
tech., dms., c.l., divd.....lb. .11 - .13½
l.c.l., divd.....lb. .11½- .14
tanks, divd.....lb. .10 - .12½
Ethyl, 190 pf., dms., c.l., wks. gal.17.72½- —
l.c.l., works.....gal.17.76 -17.79
tanks .....gal.17.65½- —
absolute, dms., c.l., works..gal.18.67½- —
l.c.l., works.....gal.18.71 -18.74
tanks .....gal.18.60½- —
Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., works.....lb. .26 - —
tanks, works.....lb. .23 - —
Furfuryl, tech., ems., works..lb. .35 - —
dms., c.l., works.....lb. .22½- —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .20 - —
Isoamyl (see Carbinol, isobutyl).
Isobutyl, refd., dms., works..lb. .0660- —
tanks, works.....lb. .0760- —
Isopropyl, refd., 91%, dms., incl., c.l., divd..gal. .38 - —
l.c.l., divd.....gal. .41 - —
tanks, divd.....gal. .31½- —
99%, dms., incl., c.l., divd.. gal. .41½- —
l.c.l., divd.....gal. .44½- —
tanks, divd.....gal. .35 - —
Methyl (see Methanol).
Methylamyl (see Carbinol, methylisobutyl)
Octyl (see Alcohol, ethylhexyl).
Phenylethyl, dms.....lb. 2.10 - 2.25
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis. lb. .60 - .65
Alcohol, propyl, normal, dms., works..gal. .67 - —
smaller containers, works, gal. .82 - —
tanks, works.....gal. .60 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .35 - —
dms., c.l., Waverly, N. Y...lb. .40 - —
l.c.l., same basis.....lb. .50 - —
Aldol, dms., works.....lb. .13 - .15
denaturing grade, dms.....gal. 1.30 - —
Aletris root, bgs.....lb. 2.75 - 2.80
Algarobilla,[1] c.l., ex dock.... long ton.67.50 - —
Algarobilla price based on ocean frt. at $12 insurance per long ton.
Algin, bbls., fib. dms.....lb. .76 - 1.00
Alizarin (see Red, alizarin).
Alkanet, root, bgs.....lb. .85 - .90
Allspice,[1] Mexican, futures, bgs., lb. .17½- .18
Allyl bromide, cbys., 5,000 lbs., works..lb. .90 - —
smaller lots, works.....lb. 1.05 - 1.10
Chloride, dms., c.l., divd.....lb. .12½- —
l.c.l., divd.....lb. .14 - —
tanks, divd.....lb. .12½- —
Aloe, Cape, cs.....lb. No stocks
Curacao, kgs.....lb. .46 - .49
Socotrine, kgs.....lb. .43 - .41
Aloin, bbls., dms., kgs.....lb. 4.50 - 4.80
Alphanaphthol, bbls.....lb. .53 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Alphapicoline, ret. dms., works, frt. equald..lb. .23½- .25½
Alphapinene, dms., c.l., wks..gal. .89½- —
l.c.l., works.....gal. .91½- —
tanks, works.....gal. .86½- —
Alphaterpineol, dms., c.l., works. lb. .1340- —
l.c.l., works.....lb. .1390- —
tanks, works.....lb. .1200- —
Alphatocopherol, amp.....gram. 1.00 - 1.10
Althea root, NF, peeled, bls....lb. .55 - .60
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
dlvd., N. Y., Phil..100 lbs. 4.40 - —
Potash, gran., bbls., works. 100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
dlvd., N. Y., Phil..100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
dlvd., N. Y., Phil..100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., divd.....100 lbs. 4.25 - 5.00
Alumina, classified, grade, ground, kgs., works..lb. .35 - .67
top grade, ground, kgs., works. lb. .60 - .67
unclassified, ground, kgs., works..lb. .10½- .46
Acetate, basic solution, 24%, bbls., divd..lb. .10½- .11
20%, bbls., divd.....lb. .09½- .10
Chloride, anhyd., com'l, dms., c.l., works..lb. .08 - .11
l.c.l., works.....lb. .09 - .12
cryst., com'l, dms., c.l., works. lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32 deg., cryst., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Fluoride, tech., bbls.....lb. .25 - —
Formate, solution, 12-20° Be, bbls., c.l., works..lb. .09½- —
l.c.l., works.....lb. .10 - —
Alumina hydrate, heavy, bgs., c.l., works..lb. .024 - .031
l.c.l., works.....lb. .035 - .040
light, bgs., dlvd.....lb. 14½- —
bbls., dlvd.....lb. 15 - —
Hydroxide, gel, tech., min. 16% Al (OH)₃ dms., 10,000 lbs. or or more, f.o.b. ship't point. lb. .03 - .03½
ton lots, same basis..lb. .03½- .03½
smaller lots, same basis, lb. .03½- .04
conc., 9-9½% Al_2O_3, fib. dms., works..lb. .17½- —
contract, works.....lb. .16½- —
14-15% Al_2O_3, fib. dms., wks..lb. .20½- —
contract, works.....lb. .19½- —
dried, USP XII, fib. dms., works..lb. .12 - —
contract, works.....lb. .11 - —
powder, tech. (see Alumina hydrate).
USP IX, bbls., dms.....lb. .16 - .17
Laurate, precip., bbls.....lb. .35 - .50
Naphthenate, 1.7% Al, 50-gal. dms., works..lb. .15½- —
Oleate, dms., contract.....lb. .24½- —
Resinate, precip., dms.....lb. .15½- —
Stearate, precip., ctn., c.l...lb. .23 - —
l.c.l. .....lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt. equald..100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald... 100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - 1.45
l.c.l., works, frt. equald. 100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works. 100 lbs. 1.75 - —
l.c.l., works.....100 lbs. 2.00 - —
Trihydrate, heavy (see Alumina hydrate).
Aluminum, 95-99%, c.l.....lb. .15 - —
l.c.l. .....lb. .15 - .16
Paste, lining, extra fine, 200-lb. dms..lb. .56 - .60
ink, 150-lb. dms.....lb. .71 - —
standard, 200-lb. dms.....lb. .33 - —
Powder, lining, extra, fine, 100-lb. dms..lb. .93 - —
litho, 150-lb. dms.....lb. .57 - —
standard, 200-lb. dms..lb. .50 - —
rubber comp., 200-lb. dms..lb. .40 - —
unpolished, stand., dms...lb. .36 - —
varnish, stand., 300-lb. dms.. lb. .40 - —

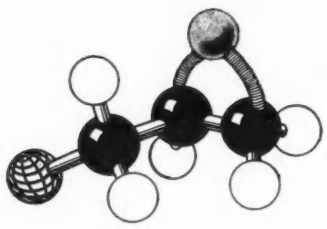
Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. drs., 1½c. per lb. for 50-lb. drs., 3c. per lb. for 10-lb. can, and 5c. to 13c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 19,999 lbs., and 4c. for 20,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz. 8.75 -13.00
Aminoethylpropanol, ens., dms., works..lb. .50 - .60
Aminopyrine, bots., dms.....lb. 4.00 - 4.40
Ammonia, anhydrous, fertilizer, tankcars, works, frt. equald. ton.59.00 - —
pure, cyls.....lb. .14½- —
refrigeration, tanks, works... ton.61.50 - —
Aqua, 26°, cbys.....lb. .06¼- —
dms., c.l.....lb. .02¾- —
l.c.l. .....lb. .03½- —
tanks, works (NH_3 content). ton.65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs., up, frt. alld..lb. .42 - —
smaller lots, frt. alld..lb. .44 - .47
Biborate, gran., bbls., N. Y. or Chi..lb. .1515- —
Bicarbonate, dms., c.l.....lb. .0564- —
Bichromate, bbls.....lb. .23 - .28
Bifluoride, bbls.....lb. .15 - .15½
Borate, gran., bbls., kgs....lb. .1090- —
powd., bbls., kgs.....lb. .1130- —
Bromide, NF, bbls.....lb. .28 - —
dms. .....lb. .30 - —
Carbonate, USP, lump, dms..lb. .06¼- .09½
ens. .....lb. .14¼- .17½
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs.. lb. .13 - .15
Citrate, dibasic, bbls.....lb. .72 - —
dms. .....lb. .80 - .85
Fluoride,[2] bbls.....lb. No stocks
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms....lb. 1.25 - 1.27
jars .....lb. 1.30 - 1.35
Iodide, NF, bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 50%, anhyd., bbls.lb. .12 - —
Molybdate,[3] c.p., cryst., kgs.lb. 1.20 - 1.25
fine cryst., bbls., kgs....lb. .94 - .97
purified, dms.....lb. 1.10 - 1.12
Nitrate,[1] fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs., c.l., shipping point.....ton.50.00 - —
bulk, same basis.....ton.46.00 - —
tech., bgs., works.....100 lbs. 4.35 - 4.50
bbls., works.....100 lbs. 4.55 - —
Nitrate - limestone, 20.5% N. bgs., Hopewell, Va..ton.32.50 - —
Oleate, dms.....lb. .14 - —
Oxalate, fine gran. bbls.....lb. .32 - —
dms. .....lb. .35 - .39
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs.....lb. .25½- .28½
Phosphate, dibasic, NF V, bbls., kgs...lb. .37 - .39
tech., bgs., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07¾- —
monobasic, pure, bbls.....lb. .39 - .41
tech., bgs., c.l., works....lb. .07 - —
l.c.l., works.....lb. .07¾- .08¼
Salicylate, NF, dms., kgs....lb. 1.15 - 1.16
Silicofluoride, bbls.....lb. .15 - .18
Stearate, anhydrous, dms....lb. .34 - —
paste, dms.....lb. .06¼- —
Sulphamate, bbls., works....lb. .18 - .21
Sulphate,[1] bulk, inland producing ovens..ton.28.20 - —
Atlantic coast ports.....ton.29.20 - —
Sulphide, liquid, 40-45% basis 100%, dms., c.l., works..lb. .09 - —
l.c.l., divd.....lb. .15 - —
tanks, divd.....lb. .07½- —
red, 45% cbys, works.....lb. .06 - —
dms., works.....lb. .08 - —
yellow, 33%, cbys., works..lb. .06 - —
dms., works.....lb. .08 - —
Sulphocyanide, CP, bbls.....lb. .55 - —
jars .....lb. .97 - —
tech., bbls.....lb. .17 - .19
Thioglycollate, highly purified, 100% basis, bbls..lb. 7.10 - 8.25

New Reactive Intermediate Available

EPICHLOROHYDRIN





PRESENCE of the epoxide ring and chlorine *in one compound* makes Epichlorohydrin an extremely reactive and versatile intermediate. Through the proper use of catalysts and reaction conditions the epoxide ring and the chlorine atom can be reacted either independently or simultaneously.

Ethers and esters of glycerine, glycerol alpha monochlorohydrin, and glycidol (2, 3-epoxypropanol-1) are types of compounds which may be readily prepared from Epichlorohydrin. Mercaptans and amines react with both epoxide ring and chlorine atom to yield a wide variety of compounds.

In addition, Epichlorohydrin, and its derivatives which contain the epoxide ring, undergo polymerization to give a number of substituted poly ethers.

Because of the diversity of compounds and polymers which can be prepared from it, Epichlorohydrin is suggested for consideration as an intermediate in manufacturing plasticizers, stabilizers, pharmaceuticals, surface active agents, rubber chemicals, acid gas absorbents, resin intermediates, disinfectants, dyes, adhesives, humectants, and cosmetics.

Free samples for evaluation.

Epichlorohydrin is now available in semi-commercial quantities

For more detailed information on the properties of Epichlorohydrin, write for Technical Bulletin #SC:46-3

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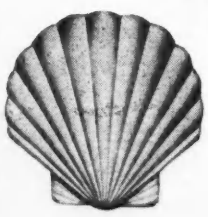

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Lanolin
Magnesium Carbonate
Naphthalene
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Pectin
Phenol
Pyridine
Sodium Benzoate
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Ammoniac gum (see Gum, ammoniac)
Sal, gray, bbls., c.l., works.....
100 lbs. 5.50 - 5.75
l.c.l., works.....100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works,
100 lbs. 4.45 - —
l.c.l., same basis.100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., divd..lb. .17 - —
l.c.l., divd.....lb. .17½- —
tanks, divd.....lb. .16 - —
ex-pentane, dms, c.l., frt. alld. E. of Miss. R..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether, dms., c.l., works.....lb. .096 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Nitrite, USP, bots.....lb. 1.72 - 1.80
Mercaptan, dms., works.....lb. 1.10 - —
Salicylate, bots.....lb. .68 - .85
Anethol, com'l, dms., works..lb. .657 - .682
NF, dms.....lb. 2.50 - 3.00
Angelica dom. atropurpurea root, bls..lb. 1.00 - 1.35
imported, natural, bls. .....lb. 2.50 - 2.60
Angostura bark, bls.....lb. .21 - .22
Anilin oil, dms., c.l., works, frt. alld..lb. .11½- —
l.c.l., works, frt. alld....lb. .12½- —
tanks, works, frt. alld.....lb. 10½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. No stocks
Anise, Chinese.....lb. .41 - .42
Cyprus, bgs.....lb. No stocks
Mexican, bgs.....lb. .34 - .34½
Syrian, bgs.....lb. No stocks
Turkish, bgs.....lb. No stocks
Anisic aldehyde, bots.....lb. 3.00 - 3.25
Annatto, paste, bxs.....lb. .84 - .89
Seed, bgs.....lb. .13¾- —
Anthracene, 80-85%, bbls., works, lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, bbls....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. 17 - —
Metal,[1,6] bulk, c.l., works...lb. .14½- .17½
Needle,[1,6] Bolivian, brown, 67%, cs..lb. 16¾- —
Chinese, black, 70%, cs.....lb. .20 - .22
Oxide,[1,6] ceramic grade, bgs., c.l...lb. .16 - —
l.c.l.....lb. .15½- —
paint grade, bgs., c.l.....lb. 16¾- —
l.c.l.....lb. 16¾- —
Salt,[1,6] 65%, bgs., c.l., divd. E. of Miss. River..lb. .40 - —
Sulphide,[1,6] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. 17½- —
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz. 23.20 -23.70
Apple syrup,[1] bbls.....lb. .14 - .16
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .17 - .18
Arecoline hydrobromide, bots..oz. 6.15 - 7.10
Argols,[7] min. 70%, bgs., shipment port, 100 kilos (100% purity).65.00 - 67.00
Arnica flowers, bls.....lb. 2.25 - 2.30
Arrowroot, powd., bgs., bbls..lb. .10½- .11
Arsenic, chloride (arsenous), bots. lb. 1.85 - —
Metal, lump, c.l..... ....lb. No prices
Sulphide, yellow, bbls.....lb. No stocks
Trioxide (see Acid, arsenous, and Arsenic, white).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l.....lb. .04¼- —
Asafetida, cs.....lb. .58 - .60
powd., bbls., dms.....lb. .78 - .80
Asbestine (see Talc, N. Y., fibrous).
Asbestos, fiber[1] 5D and 5K bgs., c.l. (20 tons), Cana. mines. ton.49.50 - —
5R, bgs., c.l. (20 tons), same basis..ton.44.00 - —
6D, bgs., c.l. (30 tons), same basis..ton.33.00 - —
7D, bgs., c.l., same basis.ton.28.50 - —
7F, bgs., c.l., same basis.ton.26.50 - —
7H, bgs., c.l., same basis.ton.22.50 - —
7K, bgs., c.l., same basis.ton.19.00 - —
7M, bgs., c.l., same basis.ton.16.50 - —
7R, bgs., c.l., same basis.ton.15.50 - —
Asphaltum, Barbados, Dunellen, N. J..lb. .10½- —
California, dms., c.l.....ton.36.40 - —
l.c.l. .....ton.41.40 - —
Cuba, A, bulk, c.l.....ton.60.00 - —
l.c.l.....ton.90.00 - —
B, bulk, c.l.....ton.38.50 - —
l.c.l.....ton.55.00 - —
Egyptian .....ton. No stocks
Gilsonite,[1] brilliant black, selects, 340° F. fusing point, bgs., mines..ton.30.00 -32.00
270-295° fusing point, bgs., mines..ton.30.50 - —
Asphaltum, gilsonite, seconds, 300-390° F, fusing point, not uniform, bgs., mines. ton.25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines..ton.30.50 - —
Manjak, No. 10, crude, dms., works..lb. .05½- .12
process form, bgs., works..lb. .05¾- .13
jet, bgs., 2,000 lbs., gross weight, Colo. mines..ton.30.50 - —
Mexican, refd., dms., f.o.b. Tampico, Mex. metric ton.27.50 - —
South American, refd., dms., c.l., N. J. refy..ton.22.00 -23.00
l.c.l., same basis.....ton.24.00 -25.00
tanks, same basis.....ton.15.00 - —
Atropine, bots.....oz. 9.85 - —
Sulphate, bots.....oz. 7.35 - —

B

Balm of Gilead buds, bgs.....lb. 1.90 - 2.00
Barbasco root,[1] (see Cube root).
Barberry root bark, bgs.....lb. .75 - .80
Barbital, dms.....lb. 3.50 - 3.60
Sodium, dms.....lb. 3.75 - 3.85
Barium carbonate, natural, 90% through 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.60.00 -70.00
l.c.l., works.....ton.65.00 -75.00
bbls., c.l., works.....ton.65.00 -75.00
l.c.l., works.....ton.70.00 -80.00
Chlorate, kgs., works.....ton. .27½- .31
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst., bgs., c.l., works, ton.73.00 - —
l.c.l., works.....ton.78.00 - —
bbls., c.l., works.....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., works.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate, crystals, bbls.....lb. .06½- .07½
Hydroxide, bbls., works.....lb. .15 - .16
Iodide, bots.....lb. 4.62 - 4.82
Monoxide (see Oxide).
Nitrate, bbls., c.l., works...lb. .09½- .11¼
l.c.l., works.....lb. .10 - .11¼
Oxide, dms., c.l., works.....lb. .11½- .12
l.c.l., works.....lb. .14 - .15
grd., dms., l.c.l., works....lb. .15 - .17
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns., 1 ton up.....lb. .31 - —
smaller lots.....lb. .32 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb 12 - —
Barytes,[1] floated, bbls., c.l., St. Louis..ton.27.65 - —
l.c.l., same basis.....ton.28.65 - —
ex whse., N. Y.....ton.36.00 - —
paper bags, c.l., St. Louis.ton.25.35 - —
l.c.l., same basis.....ton.26.35 - —
ex whse., N. Y.....ton.34.00 - —
Southern, off-color, bgs., mines, ton.17.50 - —
95.75% bgs., mines.....ton.18.00 - —
Ore, apprex. 94% $BaSo_4$, bulk, mines..ton. 6.50 - —
Bauxite bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. 1.25 - 1.30
Root, bls.....lb. 1.35 - 1.40
Bentonite, 200 mesh, bgs., works, ton.11.00 - —
325 mesh, bgs., works....ton.16.00 - —
Benzaldehyde, NF, dms.....lb. .70 - 1.10
tech., cbys., dms.....lb. .45 - .55
Benzene (see Benzol).
Bensidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.20 - 3.55
Benzol (benzene), pure, nitration and 90%, dms., works, gal. .20 - —
tanks, E. of Omaha, frt. alld..gal. .15 - —
W. Coast, Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .20½- .26
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns....lb. .60 - .75
dms. .....lb. .55 - —
Alcohol (see Alcohol, benzyl).
Benzoate, f.f.c., dms.....lb. 1.05 - 1.15
Chloride, tech., cbys., works, frt. equald..lb. .20 - —
refined, cbys.....lb. .21 - —
Cinnamate, cns.....lb. 4.00 - 4.35
Formate, cns.....lb. 2.70 - 2.75
Propionate, bots.....lb. 1.85 - 2.45
Salicylate, bots.....lb. 1.80 - 1.85
Benzylidinacetone, bots.....lb. 2.00 - 2.50
Benzylisoeugenol, bots.....lb. 9.50 - —
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....lb. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .30 - .35
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works....lb. .23 - —
l.c.l., works.....lb. .24 - —
Benzoate, fib. dms., works..lb. 1.75 - —
Salicylate, dms.....lb. 5.00 - —
Betanaphthylamine, tech., works, lb. .51 - —
Betapicoline, 90%, rst. dms., c.l., works..lb. 1.60 - —
l.c.l., works.....lb. 1.85 - —
95%, dms., works.....lb. 2.05 - —
98-99%, works.....lb. 2.20 - —
Betagammapicoline, dms., c.l., works..lb. .28½- —
l.c.l., works.....lb. .34½- —
Beth root, bls.....lb. .43 - .44
Bismuth chloride, bots.....lb. 3.00 - —
jars .....lb. 2.85 - —
Citrate, USP VIII, bots....lb. 2.81 - 2.90
jars .....lb. 2.75 - —
Hydroxide, bots.....lb. 3.41 - 3.46
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.49
cns. .....lb. 1.30 - —
Oxychloride, bots.....lb. 3.14 - 3.19
cns., dms., kgs.....lb. 3.10 - —
Subbenzoate, bots.....lb. 3.61 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, USP, bbls., dms., lb. 1.50 - 1.58
bots., cns.....lb. 1.59 - 1.68
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.75 - —
Subgallate, NF, bots., cns...lb. 1.40 - 1.55
fib. dms.....lb. 1.40 - 1.45
Subiodide, bots.....lb. 4.19 - 4.25
fib. dms.....lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms..lb. 2.25 - —
bots .....lb. 1.20 - 1.23
Subsalicylate, USP, bbls., fib. dms..lb. 2.50 - —
5-lb cans.....lb. 2.54 - 2.58
Sulphocarbolate, bots.....lb. 2.71 - 2.74
fib. dms.....lb. 3.65 - —
Bismuth-ammonia citrate, USP, powd., dms...lb. 3.40 - —
cns. .....lb. 3.45 - 3.50

NOT A LESSON IN TRANSPORTATION
BUT ONE IN *Endurance*

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SHEFFIELD PROCESS
TUBES

The Camel and the Oxen have been recognized for years for their tremendous qualities of *endurance*. Their ability to stand up under severe hardships is inbuilt, generation after generation. Similarly, we "build in" that same quality of endurance and ability to stand up under severe strain in SHEFFALLOY *Sheffield Process Tubes*. The science of toughening tube metal has been far advanced by our research staff who developed our exclusive Sheffield Process of mixing, melting and tempering the metal. Although SHEFFALLOY remains soft and pliable, its extra toughness and strength gives an extra margin of strength and safety for collapsible tubed products. If you haven't tested New England Tube service . . call or write our nearest office, *today!*

NEW ENGLAND COLLAPSIBLE TUBE CO.
3132 S. CANAL STREET, CHICAGO 16 • NEW LONDON, CONN. • W. K. SHEFFIELD, V. P., 500 FIFTH AVENUE, NEW YORK 18
THE WILCO COMPANY, 6800 McKINLEY AVE., LOS ANGELES 1

Black, acetylene, bgs., c.l., works..lb. .14 - —
l.c.l., works.....lb. .15 - —
Bone 1A, bgs., bbls., c.l., frt. alld. E..lb. .17 - —
2, bgs, bbls., c.l., same basis. lb. .12 - —
3, bgs, bbls., c.l., same basis. lb. .11 - —
4, bgs., bbls., c.l., same basis. lb. .08½- —
400A, bgs., bbls., c.l., same basis..lb. .08¾- —
457, bgs., bbls., c.l., same basis..lb. 11½- —

Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.

Carbon, channel, compressed, beads, bulk, c.l., works..lb. .05 - —
bgs., c.l., works.....lb. .055 - —
l.c.l., works.....lb. .06 - —
dlvd. or whse.....lb. .092 - —
uncompressed, regular, bgs., c.l., works..lb. .03625- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .097 - —
Furnace, HMF, bgs., c.l., works..lb. .05 - —
ctns., l.c.l., whse.....lb. .07¼- —
SRF, bgs., c.l., works...lb. .08¼- —
ctns., l.c.l., whse.....lb. .06 - —
Thermatonic, bgs., c.l., works, La...lb. .04 - —
l.c.l., whse. Trenton, N. J. lb. 06¼- —

Charcoal (see C).

Graphite (see G).

Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .06¼- —
Lamp, 1, ctns., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14½- —
l.c.l., works.....lb. .15½- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17½- —
6, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .26 - —
6, ctns., c.l., works.....lb. .26½- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .37½- —
l.c.l., works.....lb. .38½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04¾- —
Vine A, bbls.....lb. .04½- .05
B, bbls.....lb. .05¾- —
kegs .....lb. .06 - —

Black dyes (see Dyes).

Black haw root bark, bls.....lb. .64 - .65
Tree bark, bls.....lb. .40 - .45
Black Indian hemp root, bls..lb. .50 - .55
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.00 - —
direct process, bgs., c.l., works..ton.70.00 - —
bbls., c.l., works....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 66⅔, bbls., c.l., works. ton.40.00 - —
l.c.l., same basis....ton.46.50 - —
Bleaching powder,[2] dms., c.l., works..100 lbs. 2.50 - 3.10
l.c.l., works.....100 lbs. 2.75 - 3.30
Blood,[3,7] dried, 16-16½% ammon., bgs...unit-ton. 5.65 - —
high-grade, unground, 16-17% ammon., bulk, Chicago. unit-ton. 5.65 - —
soluble, bgs., c.l., Chicago...lb. .13 - —
l.c.l., Chicago.....lb. .15 - .20
Bloodroot, bls.....lb. .65 - .70
Blue,[1] alkali, dry, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.75 - —
Toner, bbls., same basis....lb. 85 - .90
Blue, celestial, bbls., same basis. lb. .10 - .12
Chinese, bbls., same basis..lb. .36 - —
Cobalt, genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper phthalocyanin, full strength, bbls., same basis. lb. 3.50 - 3.75
80%, bbls., same basis...lb. 3.00 - —
green shade, bbls., same basis. lb. 4.50 - 4.90
Iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).
Milori, bbls., same basis....lb. .86 - —
Molybdated, Victoria, bbls., same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .52 - —
permanent toner, green shade, molybdic, bbls., same basis lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis. lb. .42 - —
Prussian, bbls., same basis.lb. .36 - —
soluble, bbls., same basis..lb. .36 - —
Soda, CP, bronze, bbls., same basis..lb. .36 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis. lb. .23 - .27
jobbing type, dry, bbls., same basis..lb. .12 - .13
regular types, dry or pulp, bbls., same basis..lb. .17 - .27
Victoria, toner, molybdic, bbls. lb. 3.15 - —
tungstic, bbls.....lb. 3.30 - —
ink toner, bbls., same basis. lb. 1.83 - —
synthetic vehicle, bbls., same basis..lb. 1.93 - —
Violet, toner, molybdic, bbls., same basis..lb. 1.24 - —
tungstic, kgs., same basis..lb. 2.10 - —

Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.

Blue dyes are listed under Dyes.

Blue mass, NF, cns., tube....lb. 1.58 - 1.75
powd., bots., cns., dms.....lb. 1.61 - 1.75
Blueflag root, bls.....lb. .70 - .75

Bluestone (see Copper sulphate).

Blue vitriol (see Copper sulphate).

Bone,[7] raw, bulk, Chicago...ton.57.00 -65.00
junk, bulk, same basis....ton.35.00 - —
Meal, raw, 4½% ammon., 50% phos., bgs., E. works.. ton.37.50 - —
Chicago, works.....ton.39.50 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.48.50 - —
Chicago, works.....ton.50.00 - —

Bone meal, fertilizer grade, 3% ammon., 50% phos., bgs., E. works..ton.38.50 - —
Chicago, works.....ton.36.00 - —

Phosphate, defluorinated (see D).
Precipitated (see Calcium phosphate tribasic precip.).

Boneset leaves, bls.....lb. .16 - .17
Borage flowers, bls.....lb. No stocks
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse.....ton.56.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld.....ton.55.00 - —
ton lots, ex whse....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —
powd., bgs., c.l., frt. alld. ton.60.00 - —
ton lots, ex whse.....ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —
bbls., c.l., frt. alld.....ton.60.00 - —
ton lots, ex whse.....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb .11½- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .23 - —
single pkgs., same basis..lb. .28 - —
Brazilwood extract (see Hypernic).
Bromoform, USP, bots.....lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 5.20 - 6.25
Bronze powder, aluminum (see A).
Gold, litho., cns., dms., works. lb. .60 - .65
moulding, cns., dms., same basis..lb. .80 - 1.00
printing ink, cns., dms., same basis..lb. .85 - 1.20
radiator, cns., dms., same basis..lb. .45 - .50
Broomtop, bls.....lb. .14 - .16
Brown, iron-oxide, pure, precip., cks., works..lb. .12 - —
Metallic, bbls., c.l., works..lb. .03½- —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .06½- .08
pap. bgs., c.l., same basis. lb. .0235- —
Italian type, bbls., works. lb. .08¾- .10¾
raw, American, bbls., works. lb. .04 - .10
Italian type, bbls., works. lb. .08 - 10
Umber, burnt, American, bbls., works..lb. .08½- —
Italian-type, bbls., works.lb. .04¾- —
Turkey-type, bbls., c.l., Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05¾- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
ex car, Los Angeles..lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05½- —
ex whse, Los Angeles. lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, reg., bbls., works..lb. .09 - —
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs.....oz. .35 - —
Sulphate, cns., 100 ozs.....oz. .30 - —
Bryonia root, bls.....lb. .58 - .60
Buchu leaves, bls.....lb. .83 - .85
Buckthorn bark, bls.....lb. .47 - .50
Berries, bgs.....lb. .60 - .70
Burdock root, bls.....lb. .35 - .37
Burgundy pitch, dom., dms...lb. .08 - —
Butane,[1] indust., tanks, Group 3. gal. .03½- —
Butyl acetate, normal,[1] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R. lb. .1930- —
l.c.l., same basis.....lb. .1980- —
tanks, same basis.....lb. .1830- —
tankwagon, same basis.lb. .1865- —
other production dms., c.l., same basis..lb. .1900- —
l.c.l., same basis....lb. .1950- —
tanks, same basis..lb. .1800- —
synthetic, dms., c.l., same basis..lb. .11¼- —
l.c.l., same basis.....lb. .12¼- —
tanks, same basis.....lb. .10¾- —
secondary,[1] dms., c.l., dlvd. E. of Miss. R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Normal butyl acetate, W. of Miss. R., ½ per lb. higher.
Aldehyde, dms., c.l., works..lb. .13½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., l.c.l., works. lb. .35 - —
tech., dms., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .24½- .25½
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).

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SODIUM BICHROMATE
HEAVY CALCINED MAGNESIA White
CITRIC ACID
CAUSTIC POTASH
MAGNESIUM METAL POWDER High Purity
88% - 92% SOAP POWDER & SOAP FLAKES
COPPER SULPHATE
DICALCIUM PHOSPHATE Pure Food Grade
BLEACHING POWDER 35% - 37%
BLEACHING POWDER 70%
CAUSTIC SODA
ZINC OXIDE American & French Process
ALUMINUM ACETATE
CHROMIC ACID

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NICKEL OXIDE, etc.

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Butyl propionate, dms., dlvd..lb. .16½- .17
tanks, dlvd.....lb. .15½- —
Stearate, dms.....lb. .31½- —
Butyric ether, bots.....gal. 6.50 - 6.96
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

C

Cadmium bromide, bots.....lb. 1.84 - 1.91
jars.....lb. 1.65 - 1.76
Iodide, bots.....lb. 4.23 - —
cns.....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[1,5] ingots or sticks, dlvd. lb. .90 - —
pat. shapes, cs., dlvd.....lb. .95 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine,[1] dms., 100 lbs. or more. lb. 2.80 - 2.85
smaller lots.....lb. 2.95 - 3.20
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.05
smaller lots.....lb. 3.15 - 3.40
Citrated, dms., 100 lbs. or more. lb. 1.95 - —
smaller lots.....lb. 2.05 - 2.30
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs., futures, lb. .60 - .65
Calamus root, natural, dom., bls. lb. .70 - .75
Calciferol, in corn oil, dms., 10,000 units or more, works, unit. .10 - —
1,000 to 10,000 units, works, unit. .11 - —
less than 1,000 units, works, unit. .12 - —
Calcium acetate, bgs., dlvd..... 100 lbs. 3.00 - 4.00
Arsenate, bgs., c.l., whse., wks., frt. alld..lb. .07½- .08
l.c.l., same basis.....lb. .08 - .08½
Calcium bromide, N.F., jars..lb. .65 - .70
Carbide,[2] dms., c.l., works.ton.50.00 - —
dlvd.....ton.57.00 -60.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars..lb. .28 - .30
flake, 77-80%, paper bgs., c.l., dlvd..ton.18.50 -35.00
l.c.l., dlvd.....ton.28.50 -45.00
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, 73-75%, dms., c.l., dlvd. ton.15.00 -34.50
l.c.l., dlvd.....ton.26.00 -44.50

Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $3.50 per ton over paper bags.

Cyanide, dms., delivered E. of Rockies..lb. .35 - .40
Gluconate, USP, gran., bbls..lb. .52 - —
dms.....lb. .57 - .60
cns.....lb. .70 - —
powd., 2c. per lb. lower.
Glutamate, kgs.....lb. 1.50 - —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.25 - —
smaller lots.....lb. 1.65 - —
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, edible, dms.....lb. .21 - —
USP, bbls.....lb. .35 - .37
Laurate, bbls.....lb. .28 - .29
Mandelate, USP, dense, fluffy, dms..lb. 2.05 - 2.80
Naphthenate, 4% Ca, 50-gal. dms..lb. .32½- —
Pantothenate, dex., 100-gram bots..per gram. .19 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¼
less than 10, works.....lb. .08 - .10
medicinal, dibasic, bgs..... 100 lbs.11.40 -13.00
Calcium phosphate, cryst., bgs., c.l., works, frt. equald. lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0635- —
bgs., l.c.l., works.....lb. .0645- .0655
Resinate, precip., 5.3% Ca, 100-lb. dms..lb. .18½- —
Silicate, hydrated, c.l., bgs., works..lb. .05½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., ctns., c.l., works..lb. .25 - —
l.c.l., works.....lb. .26 - .28
Sulphate (see Gypsum).
Sulphide, 70%, bgs., c.l., works. ton.45.00 - —
80%, bgs., c.l., works....ton.50.00 - —
luminous, tins, works.....lb. 1.00 - —
Sulphocarbolate, bbls.....lb. .49 - .50
Tallate, 8%-4% Ca, 50-gal. dms. lb. .18¼- .19½
Calcium-strontium sulphide, phosphorescent, dms., works..lb. 1.00 - 1.50
fine particle size, works.. lb. 1.50 - 1.75
Calendula flowers, bls.....lb. 2.60 - 2.65
Calomel, bbls., dms.....lb. 2.44 - 2.45
Camphor, natural.....lb. No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works.lb. .42 - —
10 bbls. (1,500 lbs.).....lb. .44½- —
5 to 9 bbls.....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots.....lb. .48 - .55
USP, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots.....lb. .82 - —
1,000-lb. lots.....lb. .83 - —
smaller lots.....lb. .84 - —
Camphor, monobromated, dms.lb. 3.20 - —
Canada balsam (see Fir balsam).
Cantharides.....lb. No stocks

Capsicum (see Pepper, red).
Capsicum oleoresin, USP VII, cns..lb. 4.50 - 4.65
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed,[1] California, Dutch type..lb. No stocks
Canadian, bgs.....lb. .45 - .46
Danish, bgs., futures.....lb. .50 - .51
Dutch, bgs., futures.....lb. .53 - .54
Morocco, dewhiskered, futures, bgs.....lb. .44 - .46
natural, bgs., futures.....lb. .38 - .39
Spanish, dewhiskered, bgs...lb. No stocks
Syrian, dewhiskered, bgs....lb. No stocks
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller lots, works.....lb. .80 - —
98%, dms., ton lots, works...lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm., dms., l.c.l., works..lb. .27 - —
secondary, dms., l.c.l., works. lb. .60 - —
Isobutyl, dms., c.l., works..lb. .23½- —
l.c.l., works.....lb. .23½- —
tanks, works.....lb. .21½- —
Methylisobutyl, dms., c.l., nearest delivery point buyer's works..lb. .11¾- —
l.c.l., same basis.....lb. .12¼- —
tanks, same basis.....lb. .10¾- —
Bisulphide, 55-gal. dms., c.l., frt. all. E. of Miss R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis. lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride,[1] c.p., dms., c.l. lb. .07½- —
l.c.l.....lb. .08 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. .87 - —
5 or 10 gal. dms., c.l., frt. alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .94 - —
l.c.l., frt. alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —
Zone 4, 52½-gal. dms., c.l. gal. .88 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l.....gal. 1.17 - —
USP, cbys.....lb. .17 - .19

Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans. 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho., Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom,[1] bleached, bold, cs., lb. 1.35 - 1.40
medium, cs.....lb. 1.30 - 1.35
decorticated, Guatemala, cs..lb. 1.10 - 1.12
India, cs.....lb. 1.15 - 1.20
green, Alleppey, bgs.....lb. .90 - .92
Carotene, cryst., 1,350,000 A units per gm., tins, works, 1,000,000 units. .50 - —
research grade (alpha, 10%; beta, 90%), amps, 100 grams, dlvd..gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
in vegetable oil, 250,000 USP units per gm., bots., works. lb.37.80 - —
50,000 USP units per gm., bots., works..lb. 8.43 - —
dms., works.....lb. 7.68 - —
8,800 A units per gm., tins, works, 1,000,000 units. .55 - —
dms., works..1,000,000 units. .50 - —
8,300 USP units per gm., dms., works..lb. .66 - .71
Carvol, bots.....lb.16.00 -20.00
Cascara sagrada bark, bulk....c. .43 - .48
Case-hardening mixture, 30% gran., dms., l.c.l..lb. .09¾- —
slabs, dms., l.c.l.....lb. .08¾- —
Casein,[1] dom., acid-precip., bgs., 100 or more, ship't point..lb. .24 - —
20 to 99, same basis....lb. .24¼- —
less than 20, same basis. lb .24¾- —
rennet-precip., bgs., 100 or more, same basis..lb. .25½- —
20 to 99, same basis....lb. .25¾- —
less than 20.....lb. .26¼- —
Imp., acid-precip., ground, bgs., 100 bgs. or more..lb. .24 - —
rennet-precip., unground, bgs., 100 bgs. or more..lb. .26½- .26½
Cassia,[1,7] China bots., cs., futures lb .46 - .47
rolls, selected, cs., futures lb. .46 - .47
extra select, broken, bls., futures..lb. .42½- .43
Cassia fistula, bskts.....lb. .26 - .28
Castor bean,[1,7] bgs., c.i.f. first arrival point, U.S..long ton.118.00 - —
Oil (see Oil, castor).
Pomace,[1] bgs., c.l., works..... unit-ton. 3.15 - 4.75
Castoreum, nat., cns.....lb.12.00 -13.00
Catechol, CP, cryst., works, fib. dms., frt. alld..lb. 1.90 - —
resublimed, works, frt. alld., dms..lb. 3.25 - —
Catnep, bls.....lb. .50 - .55
Celery seed,[1] French, bgs.....lb. 1.00 Nom.
Indian, bgs.....lb. .22 - .23
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .30 - —
granules, ctns., same basis.lb. .35 - —
Acetate-butyrate, flake, high (36.5%) butyryl content, 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld...lb. .47 - —
smaller pkgs. works....lb. .48 - —
medium (15.5 or 17.0%), 50 lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.. lb. .44 - —
100-900 lbs., frt. alld....lb .45 - —
smaller pkgs., works....lb .46 - —
Granules are 5c. per lb. higher, all quantities.

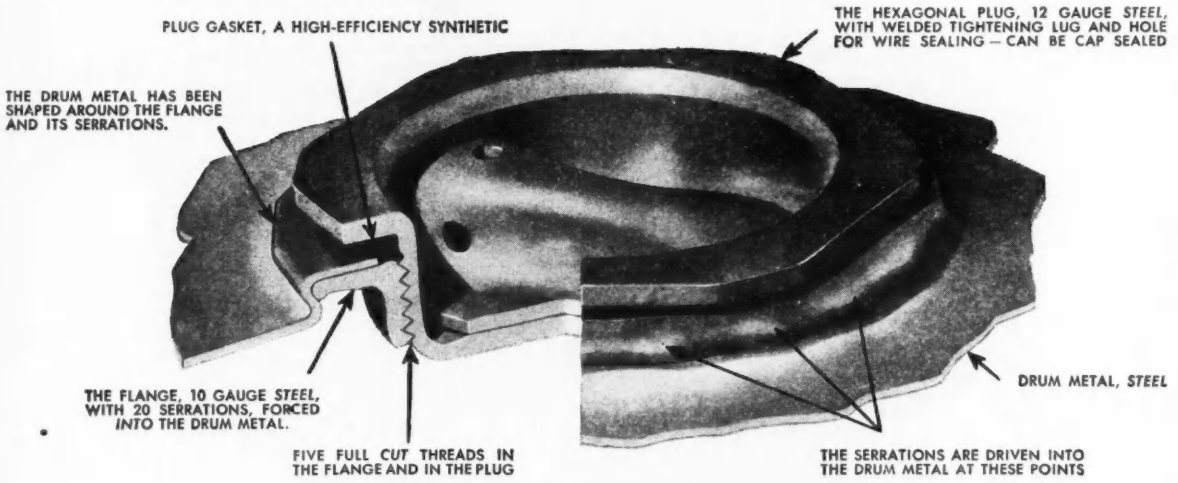
DRUMS ARE BUILT AROUND THEIR CLOSURES

THE efficiency of steel drums as packages for liquids can be gauged largely by the efficiency of their closures. . . . Drums cannot be tighter or more reliable than their closures.

Drums with VISEGRIP CLOSURES, more than any other drums, are built around their closures. The basic patented method of inserting VISEGRIP CLOSURES into the drum metal makes them permanent, irremovable parts of the drums.

VISEGRIP CLOSURES are all-steel, plugs and flanges. They are precision-manufactured as matched components for steel drums. There are tremendous margins of strength and reliability in drums equipped with VISEGRIP CLOSURES. Those margins apply *every* time the drums are filled, refilled and sealed. Those margins apply during hard handling while the drums are in transit.

Drums equipped with VISEGRIP CLOSURES deliver their contents—as close as 1.5 ounces of the maximum.


PLUG GASKET, A HIGH-EFFICIENCY SYNTHETIC
THE HEXAGONAL PLUG, 12 GAUGE STEEL, WITH WELDED TIGHTENING LUG AND HOLE FOR WIRE SEALING — CAN BE CAP SEALED
THE DRUM METAL HAS BEEN SHAPED AROUND THE FLANGE AND ITS SERRATIONS.
DRUM METAL, STEEL
THE FLANGE, 10 GAUGE STEEL, WITH 20 SERRATIONS, FORCED INTO THE DRUM METAL.
FIVE FULL CUT THREADS IN THE FLANGE AND IN THE PLUG
THE SERRATIONS ARE DRIVEN INTO THE DRUM METAL AT THESE POINTS

HERE IS THE VISEGRIP CLOSURE

The VISEGRIP CLOSURE, *more than any other closure, provides positive product protection. That product protection is available, conveniently, to every user of steel drums. Every drum manufacturer in the United States has a stock of* VISEGRIP CLOSURES *and is equipped with the Rieke Dies that will build them into drums.*

On Orders for Steel Drums, Specify:

"Drums to be Equipped with VISEGRIP CLOSURES"

VISEGRIP CLOSURES

developed and produced for more than twenty years by

RIEKE METAL PRODUCTS CORPORATION

AUBURN, INDIANA **NEW YORK, N. Y.**

Cellulose acetate-propionate, flake, high (31.5%) propionyl content), 50-lb. ctn., 5,000 lbs. and up, frt. alld.	lb.	.45	—
1,000-4,900 lbs., frt alld.	lb.	.46	—
100-900 lbs., frt. alld.	lb.	.47	—
smaller pkgs., works	lb.	.48	—
Granules are 5c. per lb. higher, all quantities.			
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more	lb.	.30	—
Cerium hydrate, dms., works	lb.	.60	—
Oxalate, USP, bbls., works	lb.	.55	—
kgs., works	lb.	.57	—
Oxide, optical grade, kgs., 100-lb. lots, works	lb.	1.50	—
bgs., smaller lots, works	lb.	2.00	—
Chalk, precipitated, cosmetic, dentifrice, and drug, bgs., c.l., works	lb.	.02¾	—
paint and other industries, bgs., c.l., works	ton.	40.00	—
papermakers, bgs., c.l., works	ton.	32.50	—
rubbermakers, bgs., c.l., works	ton.	30.00	—
Chamomile, Hungarian type, cs	lb.	.52	— .53
Roman, bls., futures	lb.	1.75	— 1.98
Charcoal, hardwood, lump, bulk, c.l., works	ton.	31.25	— —
bur. bgs., ret., c.l., works	ton.	31.00	-32.75
briquets, bulk, c.l., works	ton.	35.00	— —
bgs., c.l., works	ton.	40.00	-41.00
granular, all grades, bgs., incl., works	ton.	44.00	— —
screenings, bur. bgs., ret., c.l., works	ton.	23.65	— —
Pinewood,[1] lump, bgs., c.l., Southern shipping points	ton.	20.00	— —
granular, powd., bgs., c.l., works, South	ton.	30.20	— —
Willow, powd., bbls.	lb.	.06	— .07
l.c.l., works	ton.	41.00	— —
Chestnut extract,[1,6] standard 25% tannin, bbls., c.l., works	100 lbs.	3.22	— 3.55
l.c.l., works	100 lbs.	3.47	— 3.80
tanks, works	100 lbs.	2.62	— 2.96
powdered, 65% tannin, bags extra, c.l., works	100 lbs.	7.46	— 8.32
l.c.l., works	100 lbs.	8.21	— 9.07
Chillies (see Pepper, red).			
China clay,[1] dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works	ton.	9.50	— —
l.c.l., works	ton.	16.00	— —
bulk, c.l., works	ton.	7.60	— —
200 mesh, bgs., c.l., works	ton.	8.50	— —
l.c.l., works	ton.	9.50	-15.50
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works,	ton.	9.50	— —
paper bgs., c.l., works	ton.	12.50	— —
import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila.	ton.	19.00	-24.00
powd., cks.,l .c.l., ex whse.	ton.	41.00	—
Chloral hydrate, jars	lb.	.93	— .98
dms.	lb.	.90	— .95
Chlorinated rubber,[6] standard, ctns., 100 lbs. up, works	lb.	.32	— —
smaller lots, works	lb.	.35	— —
1-lb. bots., ex whse.	lb.	1.25	— —
Chlorine, liquid, cyls., c.l.	lb.	.05¼	— —
contracts	lb.	.05¾	— —
l.c.l.	lb.	.07¾	— —
tanks, single units, works, frt. equald.	100 lbs.	1.75	— —
multiple units, 3 or over, works, frt. equald.	100 lbs.	2.00	— —
2, wks., frt. equald.	100 lbs.	2.50	— —
1 wks., frt. equald.	100 lbs.	3.00	— —
Chloroform, tech., dms.	lb.	.20	— .23
USP, dms.	lb.	.30	— .33
Chloropicrin, com'l, 180-lb. cyl.	lb.	.32	— —
100-lb. cyls., same basis	lb.	.32	— —
25-lb. cyls., ex whse.	lb.	1.00	— —
1-lb. bots., ex whse.	lb.	1.25	— —
Choline chloride, fib. dms.	lb.	3.00	— 3.10
Dihydrogen citrate, fib. dms.	lb.	3.00	— 3.10
Chrome acetate, powd., 22% Cr., bbls., works	lb.	.32	— .34
ton lots, works	lb.	.30	— .33
solut., 8%, bbls., cs	lb.	.07½	— —
7½%, bbls., cs	lb.	.06½	— —
Fluoride, bbls., wks.	lb.	.24	— .27
Cake, bulk, c.l., works	ton.	16.00	— —
Oxide (see Green, chrome oxide).			
Trioxide (see Acid, chromic).			
Yellow (see Yellow, chrome).			
Chrysarobin, bots.	lb.	6.02	— 6.06
Cinchona bark,[6] red, quill, USP, 10 in., cns.	lb.	1.20	Nom.
Cinchonidine,[6] small, cryst., cns., 100 ozs.	oz.	No prices	
Sulphate, NF, cns., 100 ozs.	oz.	No prices	
Cinchonine[6] small, cryst., cns., 100 ozs.	oz.	No prices	
large, cryst., cns., 100 ozs.	oz.	No prices	
Sulphate, NF, cns., 100 ozs.	oz.	No prices	
Cinchophen, NF, heavy, dms.	lb.	3.70	— 3.80
standard, dms.	lb.	3.50	— 3.60
Cinnamic alcohol (see Alcohol, cinnamic).			
Aldehyde, cbys., cns., dms.	lb.	.85	— .95
Cinnamon,[1,7] Ceylon, O, bls., futures	lb.	.5202	—
OO, bls., futures	lb.	.5320	—
OOO, bls., futures	lb.	.5407	—
OOOO, bls., futures	lb.	.5494	—
No. 1, bls., futures	lb.	.5145	—
2, bls., futures	lb.	.5058	—
3, bls., futures	lb.	.4958	—
4, bls., futures	lb.	.4858	—
Citral, bots., cns.	lb.	6.50	— 7.50
Citrine, ointment, jars	lb.	.95	— 1.15
Citronellal, bots., dms.	lb.	No prices	
Citronellol, bots., dms.	lb.	No prices	
Clove,[1] Madagascar, bls.	lb.	.16¾	— .17¼
futures, bls.	lb.	.16	— .16¼
Zanzibar, bls.	lb.	.17½	— .17¾
futures, bls.	lb.	.17¼	— .17¾
Clover tops, red, dom., bgs.	lb.	.50	— .55
imported, bgs.	lb.	No stocks	
Coaltar, coal-gas, crude, 50 gal., bbls., c.l., works	bbl.	8.25	— —
l.c.l., works	bbl.	8.75	— —
tanks, works	gal.	.07½	— .08¼
refd., 50-gal., bbls., c.l. wks.	bbl.	8.75	— —
l.c.l., works	bbl.	9.25	— —
tanks, works	gal.	.08½	— —
water-gas, crude, 55 gal., dms., c.l., works	bbl.	8.25	— —
l.c.l., works	dm.	8.75	— —
refd., 55-gal. dms., c.l., wks.	dm.	8.75	— —
l.c.l., works	dm.	9.25	— —
Cobalt acetate, bbls., kgs., dlvd.	lb.	.53¾	— —
feed grade, 49.5% Co, kgs.	lb.	1.25	— —
Carbonate, powd., bgs., works	lb.	1.58	— —
feed grade, 23% Co, kgs.	lb.	1.85	— —
Chloride, kgs., works	lb.	.87½	— —
feed grade, 24.5% Co, kgs.	lb.	1.25	— —
Hydrate, bbls.	lb.	2.04	— —
feed grade, 62% Co, kgs.	lb.	2.25	— —
Linoleate, paste, 5%, dms.	lb.	.32	— .35
solid, 8½%, dms.	lb.	.44	— —
Nitrate, feed grade, 30.4% Co, kgs.	lb.	1.25	— —
Oleate, bbls.	lb.	.44	Nom.
Cobalt oxide,[1] black, kgs.	lb.	1.84	— —
Phosphate, feed grade, 34% Co, kgs.	lb.	1.75	— —
Resinate, precip., 7.5% Co, 100-lb. dms.	lb.	.33½	— —
Soyate, 6%-8.5% Co, 50-gal. dms.	lb.	.42	— .44
Sulphate,[6] dms.	lb.	.65	— —
feed grade, 21% Co, kgs.	lb.	1.00	— —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York.			
Cobalt-ammonium sulphate, 14% Co, kgs.	lb.	.75	— —
Cocaine hydrochloride, 100-oz. lots, cns.	oz.	9.75	— —
Cochineal, gray, bgs.	lb.	.46	— .47
silver, Teneriffe, bgs.	lb.	.47	— .48
Cocoa butter,[1,7] bulk, ship. pt.	lb.	.25	— —
Cocillana bark, bgs.	lb.	No prices	
Codeine, cns., 100 ozs.	oz.	11.70	— —
Hydrochloride, cns., 100 ozs.	oz.	10.50	— —
Phosphate, cns., 100 ozs.	oz.	9.00	— —
Sulphate, cns., 100 ozs.	oz.	9.50	— —
Codliver oil (see Oil, codliver).			
Cohosh root, black, bls.	lb.	.18	— .19
blue, bls.	lb.	.22	— .25
Colchicine, bots., cns.	oz.	No stocks	
Colchicum seed	lb.	No stocks	
Collodion, USP, dms.	lb.	.19½	— .20½
cns.	lb.	.23	— .29½
Flexible, USP, dms.	lb.	.21	— .22
cns.	lb.	.25	— .31
Colocynth pulp, bls.	lb.	.55	— .60
Colombo root, bls.	lb.	.17	— .18
Coltsfoot leaves, bgs.	lb.	No stocks	
Condurango bark, bgs.	lb.	.12	— .13
Copaiba balsam, Para, cns.	lb.	No stocks	
S. A., USP, cns.	lb.	.95	— 1.00
Copper acetate, cupric, bbls., works	lb.	.25½	— —
smaller containers, wks.	lb.	.27	— —
Carbonate, 52-54%, bbls.	lb.	.19½	— .20½
Chloride, anhyd., bbls.	lb.	.22½	— .23
crystals, bbls.	lb.	.14¾	— .17
Cyanide, tech., bbls.	lb.	.34	— .38
Iodide, bots.	lb.	5.15	— 5.19
Metal,[1] electrolytic	lb.	.12	— .13½
Naphthenate, 6%-8% Cu, 50-gal. dms.	lb.	.15	— .17
Nitrate, tech., cryst., bbls.	lb.	.19¼	— .20¼
Oleate, precip., bbls.	lb.	.22½	— .23½
Oxide, black, bbls., works	lb.	.19	— .20
	lb.	.19	— .20
red, com'l, bbls., works	lb.	.31	— .34½
Oxychloride-sulphate,[6] bgs.	lb.	.17	— .20
Resinate, precip., 8.3% Cu, 125-lb. dms.	lb.	.13½	— .16
Sulphate,[1] 99%, cryst., bgs., c.l., works	100 lbs.	5.00	— —
l.c.l., 700 to 36,000 lbs.	100 lbs.	5.15	— 5.50
monohydrated, bgs., in dms., 36,000-lb. lots, dlvd.	100 lbs.	10.20	— —
smaller lots, dlvd.	100 lbs.	10.95	— —
dms., c.l., dlvd.	100 lbs.	8.95	— 9.20
l.c.l., dlvd.	100 lbs.	9.95	-10.20
Copperas, cryst., gran., bgs., c.l., works	ton.	17.00	— —
l.c.l., works	100 lbs.	1.85	— 2.00
bbls., c.l., works	ton.	20.00	— —
bulk, c.l., works	ton.	14.00	— —
Copra,[7] Coast, ship't.	lb.	No prices	
Coriander[1] seed, Argentine, bgs.	lb.	.08	— .09
Indian, bgs.	lb.	No stocks	
Morocco, bgs.	lb.	.09	— .09½
Peru, bgs.	lb.	.09	— .09½
So. American, bgs.	lb.	.10	— .10¼
Corn silk, bls.	lb.	.45	— .46
Cyclohexanol, 98 - 100%, dms., works	lb.	.31	— .33
Corn sugar, tanners, chipped, bgs., c.l., dlvd.	100 lbs.	3.905	— —
slabs, bbls., c.l., dlvd.	100 lbs.	3.835	— —
Syrup, 42°, bbls., c.l., dlvd.	100 lbs.	4.221	— —
43°, bbls., c.l., dlvd.	100 lbs.	4.271	— —
Corrosive sublimate,[6] cryst., dms., 50 lbs. or more	lb.	2.07	— —
gran., powd., dms., 50 lbs. or more	lb.	1.92	— —
Cottonroot bark, bls.	lb.	.22	— .26
Cottonseed hull ash, 32-36%, pot-ash, bgs., dlvd.	unit-ton.	1.20	— —
Meal,[1,7] 41% protein, bulk, Memphis, c.l.	ton.	45.00	-49.75
Coumarin,[1] cns., 5 lbs. or more.	lb.	2.75	— —
smaller lots	lb.	2.90	— 3.10
Cramp bark, NF, bls.	lb.	.80	— .81
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't.	lb.	.51½	— —
smaller lots, bbls., kgs.,	lb.	.52	— 53½
imported, bls.	lb.	.50	— .55
Creosote carbonate, bots., cbys.,	lb.	2.10	— 2.30
Coaltar (see Cresol).			
Oil,[2] coaltar, crude, tanks, works	gal.	.15½	— —
refined, dms., c.l., works,	gal.	.347	— .3535
l.c.l., same basis	gal.	.36	— .36
tanks, same basis	gal.	.16	— .16½
solution, tanks, works	gal.	.141	— —
Wood, beech, bots., cbys.	lb.	.85	— 1.04
Hardwood, N.F., bots., cbys.	lb.	.60	— .77
Pine, dms.	gal.	.31	— .33

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MANUFACTURERS who have been thinking of using DDT in their products are invited to come to Du Pont for technical service. Experience gained as a major supplier of DDT to the armed forces may be of considerable value to you.

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Because of the method by which it is manufactured, Du Pont DDT Technical is uniformly dependable. It works well in dry preparations and dissolves quickly, forming clear solutions.

To help you formulate DDT preparations that have a sound basis for commercial use, our complete facilities are available. E. I. du Pont de Nemours & Co. (Inc.), Grasselli Chemicals Department, Wilmington 98, Delaware.

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BETTER THINGS FOR BETTER LIVING
...THROUGH CHEMISTRY

DU PONT
DDT *Technical*

Cresol,[2,6] special resin grades, dms., c.l., works, frt. equald., lb. .09½- .10½
l.c.l., same basis....lb. .10 - .11
tanks, same basis....lb. .08¾- .09¾
USP, dms., c.l., same basis..lb. .10¾- .11¾
l.c.l., same basis....lb. .11¼- .11¾
tanks, same basis....lb. .10 - .10½
Crotonaldehyde, 97%, l.c.l., 55 and 110-gal. dms..lb. .15 - —
5 and 10-gal. dms., works..lb. .18 - —
Cryolite, nat.,[4] bgs., bbls., c.l., works..100 lbs. 9.50 - 9.75
bbls., l.c.l., works....100 lbs. 10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R..lb. .06½- —
l.c.l., works....lb. .09½- —
Cube root, 5% rotenone, bbls., works..lb. .40 - —
4% rotenone, bbls., works..lb. .32 - —
Cubeb berries, XX, bgs....lb. No stocks
powd., cs....lb. No stocks
Culver's root, bls....lb. .25 - .26
Cumin seed, Cyprus, bgs....lb. No stocks
Indian, bgs., futures....lb. .34½- .35
Morocco, bgs....lb. No stocks
Persian, bgs....lb. .35 - .36½
Syrian, bgs....lb. No stocks
Cutch, bgs....lb. No stocks
Cyanamide,[5] fertilizer mixing grades, guaranteed, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk, unit-ton. 1.62½- —
21% N., pulv., bgs., same basis..unit-ton. 1.52½- —
Cyclohexane, tech., dms., c.l., works..lb. .10½- —
l.c.l., works....lb. .11 - —
tanks, works....lb. .09½- —
Cyclohexanone, 97½% min., dms., c.l., works..lb. .30 - .32
tech., dms., c.l., works....lb. .30 - —
l.c.l., works....lb. .30½- —
tanks, works....lb. .29 - —
Cyclopropane, USP, cyls., divd., gal. .27 - —

D

Damiana leaves, bls....lb. .45 - .46
Dandelion root, bls....lb. .70 - .75
DDT, fiber, dms., c.l., works..lb. .45 - —
ton lots, works....lb. .50 - —
tins, smaller lots, work....lb. .53 - .60
Decanol, normal, tech., dms., divd..lb. .35 - —
Deertongue, bls....lb. .24 - .28
Defluorinated phosphate,[1] paper bgs., works..ton. 34.25 - —
Degras,[1] common, bbls....lb. .10 - .12
neutral, less 2% ffa, bbls....lb. .28 - .30
over 2% ffa, bbls....lb. .28½- .28¼
Derris root (see Cube root).
Dextrin, British gum, bgs., c.l.,
Chicago....100 lbs. 4.93 - —
l.c.l....100 lbs. 5.39 - —
Chicago....100 lbs. 5.03 - —
Corn, canary, bgs., c.l..100 lbs. 5.04 - —
Chicago....100 lbs. 4.68 - —
l.c.l....100 lbs. 5.14 - —
Chicago....100 lbs. 4.78 - —
white, bgs., c.l....100 lbs. 4.97 - —
Chicago....100 lbs. 4.61 - —
l.c.l....100 lbs. 5.07 - —
Chicago....100 lbs. 4.71 - —
Potato, bgs., c.l....lb. .10 - —
l.c.l....lb. .10¼- .11¾
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grades, bots...lb. 5.50 - 5.55
laboratory grade, bots....100 grams. 4.50 - —
tech., bots., works....lb. 3.00 - —

Diamyl ether (see Amyl ether).
Phthalate,[6] dms., c.l., divd..lb. .2170- .2200
l.c.l., divd....lb. .2220- .2250
tanks, divd....lb. .2070- .2100
Sulphide, l.c.l., dms., works..lb. .25 - —
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic coast..lb. .07 - —
l.c.l., ex whse....lb. .10 - .16
nat. bgs., c.l., Pacific coast..ton. 22.00 - 25.00
l.c.l., ex whse....ton. 45.00 - —
purified, bgs., c.l., Atlantic coast..ton. 55.00 - 59.00
l.c.l., ex whse....ton. 85.00 - 90.00
imported, Algerian, bgs., c.l., Atlantic coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic coast..lb. .02 - .03
l.c.l....lb. .04 - .06
Dibutyl phthalate,[6] 5-gal. cns., works..lb. .2270- .2300
1-gal., cns., works....gal. .2470- .2500
dms., c.l., works....lb. .1720- .2350
l.c.l., works....lb. .1770- .2400
tanks, works....lb. .1620- .2250
Sebacate, dms., c.l., works..lb. .4800- .5075
l.c.l., works....lb. .4850- .5125
tanks, works....lb. .4600- .4975
Tartrate, dms., works, frt. alld. lb. .92 - 1.02
Dibutylamine, dms., c.l., works..lb. .66 - —
l.c.l., works....lb. .69 - —
Dichlorodiphenyltrichlorethane (see DDT)
Dichloroethyl ether,[6] purifed, dms., c.l., works, frt. equald with So. Charleston..lb. .16 - —
l.c.l., same basis....lb. .17 - —
tanks, same basis....lb. .15 - —
Diethanolamine,[6] dms., c.l., frt. alld. in E..lb. .23½- —
l.c.l., same basis....lb. .24½- —
tanks, same basis....lb. .22½- —
Diethyl carbonate, com'l, dms.lb. .25 - —
refd., 90%, dms....lb. .80 - —
Oxalate, dms., c.l., divd....lb. .30½- —
l.c.l., divd....lb. .31 - —
Phthalate,[6] dms., c.l., divd..lb. .21½- —
l.c.l., divd....lb. .22 - —
tanks, divd....lb. .20½- —
Sulphate, dms., c.l., works...lb. .14 - —
l.c.l., works....lb. .15 - —
tanks, works....lb. .13 - —
Diethylamine, dms., c.l., works..lb. .44 - —
l.c.l., works....lb. .46 - —
tanks, works....lb. .40 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss. R..lb. .75 - —
Diethylanilin, dms....lb. .40 - —
Diethyleneglycol, dms., c.l., frt. alld.in E..lb. .14 - —
l.c.l., same basis....lb. .15 - —
tanks, same basis....lb. .13 - —
Monobutylether, dms., c.l., works..lb. .22 - —
l.c.l., works....lb. .23 - —
tanks, works....lb. .21 - —
Monoethylether, dms., c.l., wks. lb. .15½- —
l.c.l., works....lb. .16½- —
tanks, works....lb. .14½- —
Digitalis leaves, dms....lb. 1.10 - 1.15
Digiycol laurate, dms....lb. .31 - .32
Oleate, light, bbls., c.l....lb. .17 - —
Stearate, bbls., c.l....lb. .22 - —
Dihydroxydichlorodiphenylmethane, dms., works of N.Y. met.lb. .95 - 1.00
smaller containers, same basis lb. 1.05 - 1.40
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, natural, afloat, bgs., lb. .09 - .09½
decorticated, bgs....lb. .12 - .13¼
dewhiskered, bgs....lb. .09¾- .10¼
Dimethyl phthalate, dms., c.l., divd..lb. .20 - —
l.c.l., divd....lb. .20½- —
tanks, divd....lb. .19 - —
Dimethylamine, dms., c.l., divd. lb. .95 - —
l.c.l., divd....lb. .90 - —
Dimethylanilin, dms., c.l....lb. .21 - —
l.c.l. ....lb. .22 - —
Dinitrobenzene, bbls....lb. .18 - —
Dinitrochlorobenzene, dms....lb. .14 - —
Dinitronaphthalene, kgs....lb. .35 - .38
Dinitrophenol, bbls....lb. .22 - —
Dinitrotoluene, dms....lb. .18 - —
oily, dms....lb. .06 - —
Diorthotoluoiguanidin, dms., ton lots, divd..lb. .44 - —
smaller lots, divd....lb. .46 - .47
Dioxan, dms., c.l., frt. alld..lb. .20 - —
l.c.l., same basis....lb. .21 - —
tanks, same basis....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene,[1] destructive dist., dms., divd. E..gal. .55 - .56
tanks, divd. E....gal. .45 - —
steam-dist., dms., divd. E..gal. .56 - .58
tanks, divd. E....gal. .52 - .53
Diphenyl,[6] bbls., c.l., works...lb. .15 - —
l.c.l., works....lb. .16 - .20
Oxide, perfume grade, cns...lb. .48 - .50
dms....lb. .43 - .45
Diphenylamine, bbls....lb. .25 - —
Diphenylguanidin, dms., tons..lb. .35 - —
smaller lots....lb. .36 - .37
Divi-divi,[1,6] 42% tannin, c.i., U.S. ports, ex dock..ton. 60.00 - —
Doggrass root, dom., cut, bls.lb. .30 - .35
imp., NF, cut, bls....lb. .50 - .55
Dogwood, Jamaica, bark, bls..lb. .10 - .11
Dover's powder, USP, cns....lb. No stocks
Dragon's blood, drops, cs....lb. .55 - .60
reeds, cs....lb. No stocks
Dyes, coaltar (certified colors for foods, drugs and cosmetics), 5-lb. lots—
Blue, FD&C, No. 1, cns....lb. 13.00 - —
Green, FD&C, No. 1, cns....lb. 13.00 - —
No. 2, cns....lb. 17.00 - —
No. 3, cns....lb. 27.00 - —
Orange, FD&C, No. 1, cns..lb. 2.80 - —
No. 2, cns....lb. 3.55 - —
Red, FD&C, No. 1, cns....lb. 5.75 - —
No. 2, cns....lb. 3.05 - —
No. 3, cns....lb. 17.00 - —
No. 4, cns....lb. 5.50 - —
No. 32, cns....lb. 4.05 - —
Yellow, FD&C, No. 1, cns..lb. 8.00 - —
No. 3, cns....lb. 2.55 - —
No. 4, cns....lb. 2.55 - —
No. 5, cns....lb. 3.05 - —
No. 6, cns....lb. 3.05 - —
Dyes, coaltar (certified colors for drums and cosmetics), 1-lb. lots—
Black, D&C, No. 1, cns....lb. 8.85 - —
Blue, D&C, No. 4, cns....lb. 12.35 - —
Brown, D&C, No. 1, cns....lb. 12.35 - —
Green, D&C, No. 5, cns....lb. 12.35 - —
No. 6, cns....lb. 12.85 - —
Orange, D&C, No. 5, cns....lb. 8.35 - —
No. 4, cns....lb. 15.35 - —
No. 10, cns....lb. 15.85 - —
Red, D&C, No. 8, cns....lb. 2.85 - —
No. 17, cns....lb. 8.35 - —
No. 18, cns....lb. 15.35 - —
Yellow, D&C, No. 7, cns....lb. 8.36 - —
No. 8, cns....lb. 8.85 - —
No. 11, cns....lb. 10.86 - —
No. 19, cns....lb. 15.85 - —
No. 22, cns....lb. 8.35 - —
No. 23, cns....lb. 12.85 - —
No. 27, cns....lb. 12.35 - —
Dyes, coaltar (certified colors for external use drugs and cosmetics), 1-lb. lots—
Blue, Ext. D&C, No. 1, cns..lb. 12.35 - —
Green, Ext., D&C, No. 1, cns. lb. 12.85 - —
Red, Ext. D&C, No. 1 cns...lb. 10.35 - —
No. 3, cns....lb. 21.35 - —
No. 8, cns....lb. 7.85 - —
No. 10, cns....lb. 12.85 - —
No. 13, cns....lb. 12.35 - —
Yellow, Ext. D&C, No. 1, cns. lb. 8.85 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
36 Chrome yellow, 2G...lb. .65 - .70
40 Chrome yellow R....lb. .50 - 1.00
52 Victoria violet....lb. .80 - 1.00
165 Lake red C....lb. .70 - .80
170 Fast red A....lb. .55 - .60
180 Fast red VR....lb. 1.50 - 1.60
189 Lake red R. paste....lb. .85 - .90
189 Lake red R. powd....lb. 3.00 - 3.10
202 Chrome blue black U.lb. .35 - .42
204 Chrome black A....lb. .42 - .45
208 Fast red blue R....lb. .75 - 2.00
216 Chrome red B....lb. 1.75 - 2.00
262 Cloth red 2B....lb. .60 - .80
280 Fast cyanin 5R....lb. .90 - 1.00
299 Chrome black F....lb. .85 - .92
304 Paper yellow....lb. .88 - .90
307 Fast cyanin black B.lb. .90 - .95
324 Direct fast scarlet...lb. 2.00 - 2.25
365 Chrysophenin G....lb. .68 - .70
382 Direct scarlet B....lb. 1.15 - 1.20
387 Direct violet R....lb. 1.00 - 1.20
394 Direct violet N....lb. .80 - .85
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B....lb. .68 - .70
415 Direct orange R....lb. .60 - .70
419 Direct fast red F....lb. .70 - .72
420 Direct brown M....lb. .55 - .57

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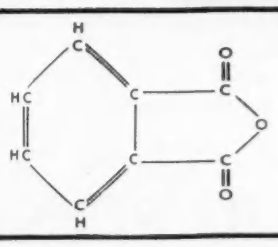
First plant to produce phthalic anhydride
from a vast new source—petroleum
PHTHALIC ANHYDRIDE
—friend of many industries
Oronite's part in meeting the war's greatly increased demand for phthalic anhydride was to pioneer in its production from a new source—petroleum. Now the most economical, most available of the dibasic acids, phthalic anhydride finds widespread application in alkyd resins, dimethyl phthalate, other esters and plasticizers, and dyes and intermediates.
New reaction possibilities are under constant development. A request on your business letterhead for laboratory samples of Oronite phthalic anhydride will be promptly filled.
1182



TYPICAL TESTS:

Phthalic Anhydride, Per Cent	99.7
Freezing Point, Deg. Cent. Min.	130.5
Color, Hazen	80
Appearance	Pure white free-flowing flakes

ORONITE CHEMICAL COMPANY

Russ Building, San Francisco 4, California
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U.S.I. CHEMICAL NEWS

March ★ A Monthly Series for Chemists and Executives of the Solvents and Chemical Consuming Industries ★ 1946

Ethyl Acetoacetate Employed Widely in Medicinal Syntheses

Used for Antimalarials, Vitamin B_1, Antipyretics and Amino Acids

Ethyl acetoacetate (acetoacetic ester) is playing an increasingly important role in the nation's health program. It is a vital intermediate in the manufacture of many of medical science's "wonder-working" therapeutics. Among the pharmaceuticals produced with the aid of this versatile compound are "SN 7618" and other antimalarials, leucine and other amino acids, antipyrine and other antipyretics, and thiamin hydrochloride (Vitamin B_1). In many of these syntheses, the ethyl acetoacetate is first converted to the sodium salt by means of another U.S.I. product, sodium ethoxide.

Antimalarials

Steadily increasing tonnages of ethyl acetoacetate are now being consumed in the manufacture of war-developed quinine substitutes such as atebrin and plasmoquin. Both these compounds have the same radical, 4-diethylamino-1-methyl-2-butylamino, attached to 3-chloro-7-methoxyacridone and methoxyquinoline, respectively. The first step in the formation of this radical is the condensation of ethyl acetoacetate with ethylene oxide.

Another antimalarial, 7-chloro-4-(4-diethylamino-1-methyl-2-butylamino) quinoline has recently been developed by U. S. scientists. Known as "SN 7618," it is claimed to be superior to quinine and all known quinine substitutes. In the manufacture of this compound, acetoacetic ester is employed in the synthesis of U.S.I.'s noval ketone (5-diethylamino-2-pentanone). This compound is vital in the addition of the side chain to the basic 4-aminoquinoline nucleus.

Vitamin B_1

In the synthesis of thiamin, ethyl sodium acetoacetate is reacted with ethylene oxide to give alpha-acetyl-gamma-butyrolactone. From this compound, either 4-methyl-5-beta-hydroxyethyl thiazole, or 2-methyl-2-ethoxy-3-chlorotetrahydrofurane is prepared. These are condensed with 2-methyl-4-amino-5-halogenomethyl-pyrimidine and 2-methyl-4-amino-5-thioformylaminomethyl-pyrimidine, respectively to give vitamin B_1.

Amino Acids

Alpha-aminobutyric acid, norvaline, norleucine, aspartic acid, glutamic acid, phenylal-

(*Continued on next page*)

Manufacturing Vitamin B_1 tablets. The vitamin, synthesized by the use of ethyl acetoacetate, is produced as a white powder. Measured amounts are then mixed with inert fillers and fed to the tabletting machines.

Extensive Expansion Program Ready to Be Launched by U.S.I.

Manufacturing Facilities For Insecticides, Chemicals, Resins to Be Enlarged; New Research Laboratory Projected

Plans to launch an extensive program for the expansion of its manufacturing and research facilities, which will cost not less than $7,500,000, has been announced by U. S. Industrial Chemicals, Inc. The proposed program contemplates the construction of additional manufacturing capacity at Baltimore, Maryland and Newark, New Jersey and enlargement of the Dodge & Olcott plants at Bayonne, New Jersey. The plan also contemplates participation in the construction of one or more plants for the commercialization of processes of Petroleum Chemicals, Inc.

Another significant feature of the program will be the construction of new, enlarged research laboratories at Stamford, Connecticut.

It is contemplated that the U.S.I. plants at Baltimore and Newark will manufacture the company's growing line of synthetic resins together with a wide variety of industrial chemicals. The activities of Dodge & Olcott, Inc., wholly owned subsidiary of U.S.I., will be greatly expanded in the insecticide field.

THE MONTH IN MEDICINE

A new anti-biotic is said to be effective against tuberculosis *in vitro* . . . Polysaccharides provide immunization against four of the thirty-three types of pneumonia . . . Carbon 13 throws new light on metabolic problems . . . A new synthetic antispasmodic promotes passage of kidney stones . . . A casein hydrolyzate is said to be superior to plasma for surgical shock . . . A new chemical aids in the relief of migraine and asthma . . . Whole blood is preserved for thirty days with the aid of two radioactive isotopes of iron . . . One cancer-inciter is identified as a large molecular weight protein . . . Unpleasant odors from wounds are prevented by dilute solutions of bromine . . . Varieties of penicillin are clarified on the basis of chemical structures . . . Caffeine is exonerated as the cause of peptic ulcers.

Produces Insoluble Cellulose Derivatives

The preparation of an insoluble cellulose derivative suitable for molding or extruding is described in a recent British patent. The first manufacturing stage, according to the claims made in the patent, consists of dissolving a partly acetylated cellulose in acetone and treating with a monomeric crystalline polyalkoxymethylmelamine such as N,N',N''-tris-(ethoxymethyl)-melamine.

A film of the material is then cast on a glass plate. After drying, it is stripped from the glass and heated for several days at temperatures ranging between 65 degrees C. and 160 degrees C. This produces a film insoluble in acetone. Threads insoluble in solvents are made similarly by extrusion.

New Process Reclaims Cured Synthetic Rubbers

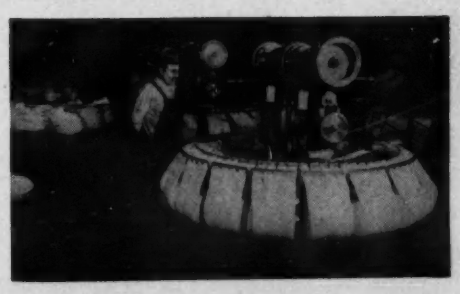
Vulcanized rubber-like products formed by the copolymerization of butadiene with styrene or acrylonitrile can be regenerated by a method described in a recently issued patent. The method consists of comminuting the synthetic rubber, then treating it with a coal tar oil and a monohydric aliphatic alcohol. Ethyl, butyl, or propyl alcohol may be employed.

Rubber Mold Lubricant

A lubricant mixture for molds used in molding rubber is described in a recent patent. The mixture, claimed to clean as well as lubricate, contains trisodium phosphate, Turkey red oil, pine oil, an alkali metal water soluble soap, gum arabic mucilage and water.

Wool Recovery Process Claimed in New Patent

Wool can be recovered from textile materials containing a mixture of wool and cellulose acetate fibers, according to the claims made in a recently granted patent. The separation is accomplished by first immersing the textile material in a bath containing water, ethyl alcohol, sulphuric acid, and hydrochloric acid until penetration of the cellulose acetate fibers is effected. The fibers are then dried and baked at high temperatures. The cellulose acetate fibers carbonize under this treatment, but the wool fibers are unaffected.



A new patented process makes possible the reclamation of wool in wool-and-textile mixtures. Reclaimed wool can be treated in much the same manner as virgin wool. Here, the wool is combed prior to lengthening and rolling.

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March ★ **U.S.I. CHEMICAL NEWS** ★ 1946

Ethyl Acetoacetate

(Continued from preceding page)

anine, and ortho-methyltyrosine are some of the amino acids prepared by the following process. Substituted acetoacetic esters are first dissolved in 80% sulphuric acid, then treated with butyl nitrite. This produces alpha-oximino esters, which, upon reduction, yield the amino acids or their esters.

Another method for the synthesis of amino acids involves the condensation of aromatic diazo compounds with compounds of the alkylacetoacetic ester type. By means of this reaction, alanine, valine, leucine, isoleucine, and phenylalanine have been produced.

Antipyretics

Among the principal antipyretics synthesized from ethyl acetoacetate are antipyrine, and aminopyrine. In the manufacture of antipyrine, for example, acetoacetic ester is used in the formation of 3-methyl-1-phenylpyrazolone. This is accomplished by heating the ester with phenylhydrazine. Upon treatment of the pyrazolone with methyl iodide and methyl alcohol, antipyrine (2,3-dimethyl-1-phenylpyrazolone) is formed.

Other Uses

Ethyl acetoacetate is also used in substantial quantities in the manufacture of dyes of the pyrazolone, benzidine and Hansa yellow groups. In addition, the structure of this compound makes possible a wide variety of end products. Because of the reactivity of hydrogen on the carbon adjacent to the $COOC_2H_5$ group, hydrogen substitution at this point can lead to the introduction of such groups as halogen, metal, acyl and alkyl radicals. In addition, these end products have a tendency to close into various ring structures.

This is the adult female *Anopheles quadrimaculatus*, one of the three dangerous types of malaria-carrying mosquitoes in the United States. Antimalarials, made with ethyl acetoacetate as an intermediate, are helping to combat the dread disease it carries.

Ethyl Oxalate Minimizes Metal Bearing Corrosion

Recent research work carried out in India indicates that the incorporation of small amounts of oxalic acid or ethyl oxalate in blends of vegetable and mineral oils inhibits the corrosion of metallic bearings. These compounds act specifically by preventing the oxidation products of the lubricants from attacking the bearings. It is believed that this is accomplished by the formation of a thin protective film of oxalate on the metal. A mixture of ethyl oxalate and an antioxidant, such as alpha-naphthol, is said to inhibit both the oxidation of the oil and the corrosive action on the bearings.

New Process Lengthens Shelf-Life of Bacon

The use of antioxidants lengthens the time before bacon becomes rancid, according to a recently published technical paper. The process is based on the newly discovered principle that rancidity is caused by the formation of peroxides on the surface of the meat. Antioxidants, such as the following, successfully retard the development of these peroxides: nordihydroguairetic acid (NDGA), d-isoascorbyl palmitate, soybean lecithin, mixed tocopherols, and gossypol.

Plant Hormone Is Boon to Hay Fever Victims

A plant hormone which destroys ragweed, the plant responsible for 90 per cent of the country's hay fever, will soon go into large scale production, according to a recent government announcement. Known as 2,4-dichlorophenoxyacetic acid, this compound also kills common lawn weeds, such as dandelion, morning glory, thistle, and burdock without harming ordinary grass.

In addition, 2,4-dichlorophenoxyacetic acid, ripens bananas after they are picked, hastens the ripening of green apples, pears and other fruits, and makes apples cling to the tree longer than usual at harvest time. The hormone also can rid wheat fields of weeds without harming the grain, but it is deadly to cotton and some other crops.

TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

A new degreaser, said to contain no abrasives, is recommended by the manufacturer for removing grease from glazed surfaces which might be harmed by scouring or scrubbing. It is claimed to be particularly effective on dishes, glasses, windows, pots, pans, and woodwork. **(No. 042)**

USI

To join porous with non-porous surfaces, two new plastic cements have been developed which are described as forming a permanent bond by the application of heat and pressure. **(No. 043)**

USI

An artificial leather, said to resemble genuine leather in many respects including workability, eye-appeal, and flexibility, has been announced. It is said to be suitable for the manufacture of electric razor cases, portable radios and record player cases, silverware cases, picture frames, and similar items. **(No. 044)**

USI

A new water-purifying device, claimed to operate without heat, chemicals, or electricity, is stated to produce 5 to 15 gallons of mineral-free water per hour. **(No. 045)**

USI

A new water-wash compound for spray booth water curtains is said to prevent the accumulation of lime scale, and to act as a deflocculator in dispersing pigments. **(No. 046)**

USI

A bright dip formula, said to eliminate hazards present in conventional sulphuric and nitric acid dips, is claimed to be easy to prepare, harmless to the skin, and free of offensive fumes. **(No. 047)**

USI

A new descaling agent quickly loosens and dislodges scale from evaporator tubes and coils, according to the manufacturer. It is claimed to be harmless to boiler metals, construction materials, and persons. **(No. 048)**

USI

To record high temperatures, a new type thermometer is designed to change color every 25 degrees from 500°C. to 900°C. Made of a special alloy, it is said to be particularly useful in gas turbines and similar equipment. **(No. 049)**

USI

A hand fire extinguisher with a carrying handle and control button for fast operation has been announced. It is described as containing four pounds of carbon dioxide. **(No. 050)**

USI

A non-slip surface covering is described as a weatherproof fabric coated with an extremely hard granular material which bites through oil, grease, mud, and water to provide sure footing. The covering is said to be easily applied to any clean surface by a special adhesive. **(No. 051)**

USI

An all-purpose soapless cleaner, claimed to be entirely soluble and to contain no abrasive, is said to sud instantly in hard, soft or sea water. **(No. 052)**

USI

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Specially Denatured—all regular and anhydrous formulas
Completely Denatured—all regular and anhydrous formulas
Pure—190 proof, C.P. 96%, Absolute
*Super Pyro Anti-freeze
*Solox Proprietary Solvent

***ANSOLS**
Ansol M
Ansol PR

ACETIC ESTERS
Amyl Acetate
Butyl Acetate
Ethyl Acetate

OXALIC ESTERS
Dibutyl Oxalate
Diethyl Oxalate

PHTHALIC ESTERS
Diamyl Phthalate
Dibutyl Phthalate
Diethyl Phthalate

OTHER ESTERS
*Diatol
Diethyl Carbonate
Ethyl Chloroformate
Ethyl Formate

INTERMEDIATES
Acetoacetanilide
Acetoacet-ortho-anisidide
Acetoacet-ortho-chloranilide
Acetoacet-ortho-toluidide
Acetoacet-para-chloranilide
Alpha-acetylbutyrolactone
5-Chloro-2-pentanone
5-Diethylamino-2-pentanone
Ethyl Acetoacetate
Ethyl Benzoylacetate
Ethyl Alpha-Oxalpropionate
Ethyl Sodium Oxalacetate
Methyl Cyclopropyl Ketone

ETHERS
Ethyl Ether
Ethyl Ether Absolute—A.C.S.

FEED CONCENTRATES
*Curbay B-G
*Curbay Special Liquid
*Vacatone 40

ACETONE
Chemically Pure

RESINS
Ester Gums—all types
Congo Gums—raw, fused & esterified
*Aroplaz—alkyds and allied materials
*Arofene—pure phenolics
*Arochem—modified types
Natural Resins—all standard grades

OTHER PRODUCTS
Collodions
Ethylene
Ethylene Glycol
Urethan
Nitrocellulose Solutions

*Registered Trade Mark

Printed in U.S.A.

Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—

448	Benzo purpurin 4B	lb.	.65	- .68
495	Benzo purpurin 10B	lb.	.40 - .50	
		lb.	.35 - .50	
502	Direct azcrin G	lb.	.75 - .80	
512	Direct blue RD	lb.	.80 - 1.00	
518	Direct pure blue 6B	lb.	1.20 - 1.30	
520	Direct pure blue	lb.	.50 - 1.00	
529	Direct fast black FF	lb.	.55 - 1.00	
581	Direct black EW	lb.	.50 - .54	
582	Direct black RX	lb.	.35 - .45	
592	Direct green B	lb.	.50 - .55	
594	Direct green G	lb.	.50 - .55	
596	Direct brown 3GO	lb.	.85 - 1.00	
629	Direct yellow R	lb.	1.25 - 1.50	
698	Acid violet	lb.	1.00 - 3.00	
812	Primulin	lb.	.70 - .75	
814	Direct fast yellow	lb.	2.00 - 2.25	
845	Nigrosin (water soluble).			
1177	Indigo, 20% paste	lb.	.15 - .18	
	Benzo fast black L	lb.	.90 - 1.00	
	Sulphur black	lb.	.20 - .25	
	Sulphur blue	lb.	.45 - 1.00	
	Sulphur brown	lb.	.25 - .50	
	Sulphur maroon	lb.	.40 - —	
	Sulphur tan	lb.	.30 - .50	
	Sulphur olive	lb.	.25 - .54	
	Sulphur yellow	lb.	.30 - .50	
	Zambesi black	lb.	.75 - .80	

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—

865	Nigrosin derivatives	lb.	.36 - .44	

Blue—

7076	Alizarin astral base	lb.	15.00 - —	
1078	Alizarin cyanin, green base	lb.	6.00 - —	

Brown—

	Brown	lb.	1.15 - —	

Green—

1078	Alizarin cyanin green	lb.	5.00 - —	
	Green	lb.	.75 - —	

Orange—

	24 Sudan I	lb.	.75 - —	
	Red shade	lb.	.75 - —	

Red—

	75 Sudan II	lb.	1.05 - —	
	258 Sudan IV	lb.	.85 - —	
	680 Oil violet	lb.	.50 - —	
	749 Rhodamine B (oil pink).	lb.	2.50 - —	
1050	Anthraquinone violet base	lb.	6.00 - —	

Yellow—

	15 Amidoazobenzene yellow	lb.	.90 - —	
	17 Amidoazotoluene yellow,	lb.	.75 - —	
	61 Yellow OB	lb.	1.40 - 2.00	

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—

246	Naphthol blue black S	lb.	.50 - —	
729	Victoria blue B	lb.	1.85 - —	
861	Indulin	lb.	.37 - —	
873	Methylene gray	lb.	1.50 - —	
909	New blue P	lb.	1.20 - —	
922	Methylene blue	lb.	1.00 - —	
1054	Alizarin saphirol B	lb.	1.90 - —	
1180	Indigotin IA	lb.	.85 - —	

Blue—

714	Patent blue A	lb.	1.05 - 1.10	

Brown—

231	Bismarck brown G	lb.	.47 - .62	
234	Resorcin brown Y	lb.	.65 - —	
235	Resorcin dark brown R,	lb.	.66 - —	
632	Bismarck brown R	lb.	.47 - .62	
793	Phosphin	lb.	4.65 - —	

Green—

	5 Naphthol green B	lb.	1.00 - —	
657	Malachite green	lb.	1.35 - —	
662	Brilliant green	lb.	2.00 - —	
666	Guinea green B	lb.	1.15 - —	
737	Wool green S	lb.	.58 - —	
924	Methylene green B	lb.	1.55 - —	
1078	Alizarin cyanin green	lb.	2.00 - —	

Orange—

	10 Chrysodin G	lb.	.44 - —	
	21 Chrysodin R	lb.	.41 - —	
	27 Orange G	lb.	.50 - —	
	31 Amidonaphthol red G	lb.	.42 - —	
	37 Amidonaphthol red 6B,	lb.	.63 - —	
	151 Orange Y	lb.	.31 - .33	
	161 Orange R	lb.	.34 - —	

Red—

	79 Ponceau R	lb.	.46 - —	
	88 Fast red B	lb.	1.65 - —	
	176 Fast red A	lb.	.64 - —	
	179 Azorubin	lb.	.69 - —	
	183 Crocein scarlet 3BX	lb.	.72 - .75	
	185 Cochineal red A	lb.	.60 - —	
	252 Brilliant crocein M	lb.	.68 - —	
	677 Fuchsin	lb.	2.10 - —	
	749 Rhodamine B	lb.	3.50 - —	
	752 Rhodamine 6B	lb.	4.50 - —	
	768 Eosin G	lb.	1.50 - —	
	841 Safranin	lb.	1.45 - —	

Violet—

	680 Methyl violet B	lb.	.70 - .75	
	681 Crystal violet B	lb.	1.75 - —	
	695 Acid violet 4BN	lb.	.88 - —	

Yellow—

	10 Naphthol yellow S	lb.	.88 - —	
	138 Metanil yellow	lb.	.56 - .58	
	636 Fast light yellow	lb.	1.25 - —	
	639 Xylene light yellow	lb.	1.15 - —	
	640 Tartrazin	lb.	.80 - —	
	655 Auramine	lb.	1.27 - —	

Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25 lbs. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—

864	Nigrosin	lb.	.36 - .44	

Blue—

860	Indulin	lb.	.60 - .70	

Brown—

331	Bismarck brown	lb.	1.50 - —	

Green—

637	Malachite green base.	lb.	2.00 - —	

Orange—

20	Chrysoidin G	lb.	.95 - —	
21	Chrysoidin R	lb.	.96 - —	

Red—

677	Fuchsin, magenta, base.	lb.	7.25 - —	
749	Rhodamine R	lb.	4.75 - —	

Yellow—

	67 Amidoazotoluene yellow.	lb.	.75 - —	
655	Auramine	lb.	2.00 - —	
800	Chinolin yellow SS	lb.	2.00 - —	

Violet—

680	Methyl violet base	lb.	.85 - —	

Dyes, natural (see name of article).

E

	Echinacea root, bls	lb.	.75 - .80	
	Egg,[1,7] albumen (see Albumen).			
	Yolk,[1,7] dried, dom., bbls	lb.	1.04 - 1.10	
	imported	lb.	No stocks	
	Elder flowers, bright, bls	lb.	.75 - .85	
	Elecampane root, bls	lb.	.55 - .60	
	Elm bark, grinding, bls	lb.	.35 - .36	
	powd., bbls., bxs	lb.	.55 - .56	
	select, bndls	lb.	.55 - .56	
	Emetine hydrochloride, Brazilian, cs., c.l.f., in bond	kilo.	$1,350.00	
	Ephedra, bls	lb.	.28 - .30	
	Ephedrine, natural, USP, anhydrous, bots.	oz.	1.15 - 1.65	
	Hydrochloride, tins	oz.	.95 - 1.45	
	Sulphate, tins	oz.	.95 - 1.45	
	Synthetic, USP, anhydrous, bots.	100 ozs.	.65 - —	
	hydrous, bots, 100 oz	oz.	.65 - —	
	Hydrochloride, tin, 100 ozs.	oz.	.50 - —	
	Sulphate, cryst., tins, 100 ozs.	oz.	.48 - —	
	Epinephrine, synth., USP, bots.	gram.	.75 - —	
	Epsom salt, tech., cryst., bgs., c.l.	100 lbs.	1.80 - 1.95	
	l.c.l.	100 lbs.	2.15 - 2.40	
	dried, bgs	lb.	.03½ - —	
	l.c.l., bgs	lb.	.04 - .07	
	USP, cryst., bgs., c.l.	100 lbs.	2.00 - —	
	l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	2.25 - —	
	smaller lots	100 lbs.	2.50 - —	
	bbls., c.l.	100 lbs.	2.10 - —	
	l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	2.35 - —	
	smaller lots	100 lbs.	2.60 - —	
	kgs., c.l.	100 lbs.	2.35 - —	
	l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	2.60 - —	
	smaller lots	100 lbs.	2.85 - —	

Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

	Ergot, USP, cns	cs.	1.70 - 1.80	
	Eserine, bots	oz.	No prices	
	Sulphate, 1-gram, vials	vial	2.10 - —	
	Ether, acetic (see Ethyl acetate).			
	Amyl (see Amyl ether).			
	Butyl, l.c.l., dms., dlvd	lb.	.30 - —	
	Ethyl (see Ether, sulphuric).			
	Nitrous, conc., bots., 100 lbs.	lb.	.96 - 1.10	
	Sulphuric, conc., dms	lb.	.11 - .16	
	USP anesthesia, hospitals, 1-lb. cns	lb.	.60 - .61	
	Synthetic, dms., c.l., wks	lb.	.14½ - —	
	l.c.l., works	lb.	.15½ - —	
	tanks	lb.	.12½ - —	
	Ethyl acetate, 85-90%, dms., c.l., frt. alld.	lb.	.1050- .1200	
	l.c.l., frt. alld	lb.	.1100- .1250	
	tanks, frt. alld	lb.	.0950- .1100	
	95-98%, dms., c.l., frt. alld.	lb.	.1075- .1275	
	l.c.l., frt. alld	lb.	.1125- .1225	
	tanks, frt. alld	lb.	.0975- .1175	
	NF, dms	lb.	.14½ - .15½	
	Acetoacetate, dms., c.l., works.	lb.	.37½ - —	
	l.c.l., frt. alld	lb.	.38 - —	
	Benzoate, bots	lb.	.50 - .52	
	Bromide, tech., dms	lb.	.50 - .55	
	Carbamate, dms., dlvd. E	lb.	.58 - —	
	Chloride, tech. ,dms	lb.	.18 - .20	
	USP, bbls., cyl	lb.	.20 - .27	
	Cinnamate, cns	lb.	2.65 - 3.00	
	Formate, dms., Agnue, Calif.,	lb.	.26 - .32	
	Iodide, bots	lb.	3.50 - 3.60	
	Lactate, dms., works	lb.	.33½ - .35½	
	Myristate, dms., works	lb.	.55 - —	
	Oenanthate, dms	lb.	1.10 - 1.15	
	Oleate, dms., l.c.l., works	lb.	.47 - —	
	Oxalate, dms., frt. alld	lb.	.33 - —	
	Silicate, dms., l.c.l., works	lb.	.77 - —	
	Ethylcellulose, pkgs., 5,000 lbs. or more, works	lb.	.50 - —	
	smaller lots, works	lb.	.52 - .60	
	Ethyldiethanolamine, dms., l.c.l., works	lb.	.60 - —	
	Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies, frt. alld	lb.	.0642- —	
	West of Rockies	lb.	.0691- —	
	l.c.l., works, frt. alld. E. of Rockies	lb.	.0691- —	
	West of Rockies	lb.	.0941- —	
	tanks, frt. alld. E. of Rockies,	lb.	.0749- —	
	West of Rockies	lb.	.0792- —	
	Trichloride (see Trichloroethane).			
	Ethyleneglycol, dms., c.l., frt. alld. in E.	lb.	.10 - —	
	l.c.l., same basis	lb.	.11 - —	
	tanks, same basis	lb.	.09 - —	
	Monobutylether, dms., c.l., wks.	lb.	.17½ - —	
	l.c.l., works	lb.	.18½ - —	
	tanks, works	lb.	.16½ - —	
	Monoethylether, dms., c.l., wks.	lb.	.15½ - —	
	l.c.l., works	lb.	.16½ - —	
	tanks, works	lb.	.14½ - —	
	Monoethylether acetate, dms., c.l., works	lb.	.12½ - —	
	l.c.l., works	lb.	.14½ - —	
	tanks, works	lb.	.12½ - —	
	Monomethylether, dms., c.l., wks.	lb.	.16½ - —	
	l.c.l., works	lb.	.17½ - —	
	tanks, works	lb.	.15½ - —	
	Ethylethanolamine, dms., c.l., works	lb.	.57 - —	
	l.c.l., works	lb.	.60 - —	
	Ethylmonoethanolamine, l.c.l., dms., works	lb.	.80 - —	
	Ethylmorphine, hydrochloride, bots.	oz.	10.50 -10.75	
	Ethylvanillin,[1] cns., 5 lbs. or more	lb.	5.25 - —	
	smaller lots	lb.	5.30 - 5.40	
	Eucalyptol, cns., dms	lb.	2.85 - 3.25	
	Eucalyptus leaves, bls	lb.	.10 - .18	
	Eugenol, cns., dms	lb.	2.65 - 3.25	
	Euphorbia, bls	lb.	.16 - .17	

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F

Feldspar,[1] enamel, 100 mesh, ton. 17.00 -30.50
bulk, c.l. ton. 14.00 -17.50
glass, 20 mesh, bgs., works, min. 2 tons. . ton. 12.75 -16.25
bulk, c.l. ton. 9.75 -12.25
pottery, bgs., l.c.l., works, min. 2 tons. . ton. 20.00 -22.00
bulk, c.l., works ton. 17.00 -19.00
Fennel seed, Argentine, bgs. lb. .27 - .27½
Indian, bgs lb. .16½ Nom.
Fenugreek, domestic, bgs. lb. No stocks
Indian, bgs lb. .10 - .10½
Morocco, bgs lb. .10½ - .11
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works. lb. .13½ - .15
water-white, cs., works lb. .14½ - .17
Fir balsam, Canada, cns. gal. 18.50 -20.00
Oregon, bbls. gal. 2.50 - 2.60
Fishberries, bgs. lb. .24 - .25
Fishliver oils (see Oil, fishliver).
Fishmeal,[1,7] grd., 60% protein, bgs., E. works. . ton. 72.50 - —
65% protein, bgs., E. works, ton. 78.00 - —
Fishscrap,[7] dried, 60% protein, bulk, East coast. . ton. 66.50 - —
Flake white, bbls. lb. .09 - —
kegs lb. .11 - —
Fleaseed, dom., French-type, bgs. lb. .62 - .64
French, black, bgs. lb. No stocks
Indian, blonde, bgs. lb. .18½ - .22
Fluorspar,[1] No. 1, ground, 95-98% CaF_2 bulk, c.l., mines, net ton. 37.00 - —
washed, gravel, 70% or more CaF_2 c.l., bulk, mines. . ton. 33.00 - —
65%, c.l., bulk, mines ton. 32.00 - —
60%, c.l., bulk, mines ton. 31.00 - —
less than 60%, c.l., bulk, mines. . ton. 30.00 - —
Formaldehyde,[1] bbls., c.l., works, lb. .0520- —
l.c.l., works lb. .0570- —
dms., extra, c.l., works lb. .0460- —
l.c.l., works lb. .0510- —
tanks, works lb. .0320- —
tanktrucks, divd. N.Y.C. lb. .0345- —
Fringetree bark, bls. lb. .55 - .56
Fuller's earth,[1] dom., powd., bgs., c.l., Fla., Ga. mines. . ton. 8.50 -15.00
Tex. mines. . ton. 12.50 - —
spent, bulk, Bayonne. . . ton. 2.00 - —
Chicago ton. 4.00 - —
imp., bgs., c.l. ton. 30.00 -40.00
Furfural, ref., dms., c.l., works, lb. .15½- —
cns., dms., l.c.l., works. . lb. .18½- .25½
tech., dms., c.l., works lb. .13 - —
l.c.l., cns., dms. lb. .15½- .20½
tanks, works lb. .09½- —
Fusel oil, crude, dms., works. gal. .75 - —
refd., dms., divd. lb. .18½- .19½
Fustic extract, cryst., No. 1, bbls., Lol. . lb. .35 - —
No. 1A, bbls., l.c.l. lb. .34 - —
No. 2, bbls., l.c.l. lb. .33 - —
No. 3, bbls., l.c.l. lb. .31 - —
liquid, No. 0, bbls., l.c.l. . lb. .19 - —
No. 1, bbls., l.c.l. lb. .17½- —
No. 2, bbls., l.c.l. lb. .16½- —
No. 3, bbls., l.c.l. lb. .14 - —
solid, No. 1, bxs., l.c.l. lb. .30½- —

G

G salt, bbls. lb. .45 - —
Galangal root, bls. lb. .24 - .25
Gambier, cube, Singapore, cs. . lb. No stocks
Extract, bbls. lb. No stocks
Gammapicoline, 95%, dms., c.l., works. . lb. 1.35 - —
Gasoline,[1] at refinery, ex tax, Arkansas, 73-75 octane, tanks, gal. .05½- —
Bayonne, 73-75 oct., tanks. gal. .07 - .08
Gulf Coast, 73-75 oct., tanks, gal. .0570- .0625
Group 3, 73-75 oct., tanks. . gal. .05 - .06
Pennsylvania, western, US motor, 74 octane, leaded, tanks. . gal. .07 - .07¾
natural, 26/70, Group 3, tanks. gal. .03 - .03½
Gelatin, silver label, cns., divd., lb. .90 - .97
export, cs. lb. 1.00 - —
Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.
Geisenium root, bls. lb. .39 - .40
Gentian root, bls. lb. .36 - .38
grd., bbls., bxs. lb. .38 - .40
powd., bbls., bxs. lb. .39 - .41
Geraniol, 92-96%, cns., dms. lb. No prices
Geranyl acetate, cns. lb. No prices
Ginger,[1] African, No. 1, bls. lb. .15 - .15½
Calicut, Romeo-type, bgs. lb. .16½- .17
Cochin, bleached, bgs. lb. .16 - .16½
unbleached, bgs. lb. .15 - .15½
Jamaica, No. 1, bgs. lb. .23 - .23½
No. 2, bgs. lb. .21 - .21½
No. 3, bgs. lb. .17½- .18
Rhattoon, bgs. lb. .17 - .17½
Glaubers salt, anhyd. (see Soda sulphate).
cryst., bgs., bbls., works. . . . 100 lbs. 1.05 - 1.45
Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest. lb. .16 - .23
30/36, bgs., c.l., same basis. . lb. .15½- .23½
58/82, bgs., c.l., same basis. lb. .17 - .24
82/108, bgs., c.l., same basis lb. 18½- 25½
Bone glue, l.c.l. prices 1c. higher than c.l.
Hide,[1] 100-121 (jelly test in grams), bgs., c.l., divd. . . lb. .14 - .21¼
122-149, bgs., c.l., divd. . . lb. .15 - .22¼
150-177, bgs., c.l., divd. . . lb. .16 - .23½
178-206, bgs., c.l., divd. . . lb. .17 - .24¼
207-236, bgs., c.l., divd. . . lb. .18 - .25¼
237-266, bgs., c.l., divd. . . lb. .19 - .26¼
267-298, bgs., c.l., divd. . . lb. .20 - .27½
299-330, bgs., c.l., divd. . . lb. .21 - .28½
331-362, bgs., c.l., divd. . . lb. .22 - .29½
363-394, bgs., c.l., divd. . . lb. .23 - .30½
395-427, bgs., c.l., divd. . . lb. .24 - .31½
428-460, bgs., c.l., divd. . . lb. .25 - .32½
461-494, bgs., c.l., divd. . . lb. .26 - .33½
495-529, bgs., c.l., divd. . . lb. .27 - .34½
Hide glue l.c.l. prices 1c. higher than c.l.: bbls., ½c over bgs.
Glycerin, crude saponification, 88%, to refiners, tanks. . . lb. .12¾- —
soaplye, 80%, tanks. . . . . lb. .11¼- —
dynamite, dms., c.l. lb. .17½- 18¼
l.c.l. lb. 18 - .18¾
tanks lb. .17¼- .18
high gravity, dms., c.l. lb. .17½- .18¾
l.c.l. lb. 19 - 19¾
tanks lb. .17½- .18
Glycerin, B.P. 98%, dms., c.l. lb. .18¾- —
tanks lb. .18½- —
USP, 96%, dms., c.l. . . . . lb. .16½- —
l.c.l. lb. .16¾- —
tanks lb. .18 - —
yellow, distilled, dms., c.l. . . lb. .17¾- —
tanks lb. .17¾- —
Glycine, USP, bbls., tins. . . . . lb. 1.25 - 1.30
Glycol boriborate, dms. lb. .22 - —
Stearate, dms. lb. .36 - —
Gold chloride, acid-brown, bots. oz. 20.75 -21.00
acid-yellow, bots. oz. 16.75 -19.00
Gold-soda chloride, photo., bots. . oz. 18.00 - —
USP IX, bots. oz. 14.50 -14.75
Goldenseal root, bls. lb. 8.50 - 8.75
powd., bxs. lb. 9.00 - 9.25
Gold of pleasure seed, bgs. . . . lb. No stocks
Grains of paradise, bgs. lb. .80 - .87
Graphite,[1] dom., crystalline, 80% through 50 mesh, graphitic carbon content 65-70%, bgs., whse. . lb. .04½- —
70-75%, bgs., same basis. lb. .05 - —
75-80%, bgs., same basis, lb. .05½- —
80-85%, bgs., same basis. lb. .02 - —
85-90%, bgs., same basis. lb. .07 - —
90% and up, same basis. lb. .08 - —
Grease, house,[1,7] loose. . . . . lb. .06½- —
White, choice, loose. . . . . lb. .06¾- —
Wool (see Adeps lanae and Degras).
Green, brilliant,[1] thioflavin toner, molybdic, bgs., works. . lb. 2.35 - —
tungstic, bgs., works. . . . . lb. 2.75 - —
Chrome,[1] CP, dark, light, medium, blue content up to 6%, bbls., divd. N. of Tenn. and N.C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. . lb. .23 - —
15% bbls., same basis. . . lb. .25 - —
20%, bbls., same basis. . . lb. .25½- —
21-25%, bbls., same basis. lb. .26 - —
26-30%, bbls., same basis. lb. .26½- —
31-35%, bbls., same basis. lb. .27½- —
36-40%, bbls., same basis. lb. .29 - —
41-45%, bbls., same basis. lb. .30½- —
46-50%, bbls., same basis. lb. .33 - —
reduced color, 5%, bbls., same basis. . lb. .06¾- —
9-10%, bbls., same basis. lb. .07½- —
11-13%, bbls., same basis. lb. .08 - —
14-16%, bbls., same basis. lb. .05¼- —
17-19%, bbls., same basis. lb. .09½- —
20-21%, bbls., same basis. lb. .06¾- —
22-23%, bbls., same basis. lb. .09 - —
24-25%, bbls., same basis. lb. .09¼- —
26-27%, bbls., same basis. lb. .09½- —
28-29%, bbls., same basis. lb. .10 - —
30-31%, bbls., same basis. lb. .10½- —
32-33%, bbls., same basis. lb. .12 - —
34-35%, bbls., same basis. lb. .12 - —
36-40%, bbls., same basis. lb. .14 - —
41-45%, bbls., same basis. lb. .17 - —
46-50%, bbls., same basis. lb. .17½- —
51-55%, bbls., same basis. lb. .19 - —
56-60%, bbls., same basis. lb. .18½- —
61-65%, bbls., same basis. lb. .19 - —
70%, bbls., same basis. . . lb. .20 - —
71-75%, bbls., same basis. lb. .21 - —

Chrome green prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.

Green, chrome oxide, pure, dms., wks. . lb. .24 - —
Malachite, thioflavin toner, molybdic, bbls., works. . lb. 3.00 - —
tungstic, bbls., works. . . . lb. 3.50 - —
Phthalocyanin,[1] tetrahydroxide (hydrated chromium oxide, bbls., works. . . . lb. .85 - —
toner, bbls., works. . . . . lb. 4.00 - 5.00
Paris (see P).
Tungstated, brilliant, kgs. . . lb. 3.00 - —
emerald, kgs. lb. 2.60 - —
Verdigris (see V).
Green dyes (see Dyes, coaltar).
Grindelia robusta, bls. . . . . lb. .21 - .23
Guaiac, resin, cs. lb. .28 - .30
Wood, bls. lb. .05 - .06
Guaiacol, liquid, N.F., bots., cbys. . lb. 1.60 - 1.84
Carbonate, dms. lb. 2.40 - 2.45
Guanidin carbonate,[1] bbls., c.l., works. . lb. .87 - —
l.c.l., works. lb. .88 - .73¾
Guarana, powd., cs. lb. 2.00 - 2.10
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs. . . . . lb. .90 - .95
Arabic, amber, sorts, bgs. . . lb. .12 - .13½
white, sorts, 1, bgs. . . . . lb. .28 - .30
Asafetida (see A).
Asphaltum (see A).
Benzoin, artificial, cns. . . . . lb. 1.75 - 2.35
Siam, cns. lb. 3.00 - 3.50
Sumatra, cs. lb. .52 - 1.00
Camphor (see C).
Copal, Congo (former dollar-and-cent ceilings revoked Feb. 2. New ceiling prices are to be based on prices to be paid by importers in the Belgian Congo plus landed costs, as determined by a formula under import regulation).
East India,[1] Batu, bold, scraped, c.l., same basis. lb. .10½- —
unscraped, same basis. lb. .09 - —
chips, same basis. . . lb. .12 - —
dust, same basis. . . lb. .06½- —
nubs and chips, same basis. . lb. .05¾- —
pale, Hiro-Macassar,[1] bold, bgs., c.l., same basis. . lb. .17½- —
chips, same basis. . . . lb. .11½- —
dust, same basis. . . lb. .05½- —
nubs, same basis. . . lb. .13¾- —
Singapore, Rasak, bold, bgs., same basis. . lb. .23½- —
chips, same basis. . . lb. .11¾- —
dust, same basis. lb. .05½- —
nubs, same basis. . . lb. .16¾- —
Macassar,[1] dust, bgs., c.l., same basis. . lb. .07¾- —
MA, same basis. . . . . lb. .09¾- —
MB, same basis. . . . . lb. .09¼- —
WS, bgs., same basis. . . . lb. .11¾- —
Manila, Boeas,[1] hard, bold, amber, light, bskts., c.l., same basis. . lb. .13½- —
dark, light, same basis. . lb. .14½- —
white, same basis. . . . . lb. .15¼- —
Loba,[1] A, bgs., c.l., same basis. . lb. .14 - —
B, same basis. . . . . lb. .13¾- —
C, same basis. . . . . lb. .13¾- —
CBR, same basis. . . . . lb. .12 - —

Gum, copal, Manila, Loba, ONE, same basis..lb. .10 - —
D, same basis.....lb. .12¾- —
DBB, same basis.....lb. .11 - —
DK, same basis.....lb. .09½- —
DU, same basis.....lb. .08½- —
dust, same basis.....lb. .07½- —
WB, same basis.....lb. .09½- —
WS, same basis.....lb. .11¾- —
white split chips, bgs., c.l., same basis..lb. .15½- —
dust, same basis.....lb. .07½- —
whse., entry point, c.l...lb. .06¾- —
Manila-Singapore,[1] white split chips, bgs., c.l., same basis. lb. .15¼- —
extra bold, sorts, bgs., c.l., same basis..lb. .12¾- —
pale chips, bold, same basis. lb. .13 - —
nubs, WCB, same basis..lb. .13¾- —
seeds, dust same basis.....lb. .06¾- —
SG, same basis.....lb. .10½- —
small chips, same basis..lb. .11¾- —
c.l., same basis..lb. .23¾- —
Pontianak, bld., scraped, bgs., mixed, same basis..lb. .17¾- —
chips, small, same basis..lb. .12¾- —
cuttings of split, same basis. lb. .19½- —
nubs, same basis.....lb. .18 - —
Gum copal, l.c.l., prices ¼c. to ½c. higher.
Dammar,[1] Batavia, A, cns., c.l., same basis..lb. .35¾- —
A/C, same basis.....lb. .31½- —
A/D, same basis.....lb. .28¾- —
A/E, same basis.....lb. .25¾- —
B, same basis.....lb. .34¾- —
C, same basis.....lb. .33¾- —
D, same basis.....lb. .25¾- —
E, same basis.....lb. .18¾- —
F, same basis.....lb. .13¾- —
dust, same basis.....lb. .13¾- —
Singapore,[1] No. 1, c.s., c.l.lb. .30¾- —
2, bgs., same basis.....lb. .25 - —
3, bgs., same basis.....lb. .12¾- —
chips, cs., same basis....lb. .23½- —
dust, bgs., same basis...lb. .13 - —
seeds, cs., same basis....lb. .17½- —
Gum, dammar, l.c.l., prices ¼c. to ½c. higher.
Elemi,[1] cns., c.l., ex dock or whse. entry port..lb. .09½- .09¾
Ester,[1] gum-rosin, type, dms., c.l., dlvd., Ill., Ind., Ky., Mich., Mid-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .1300- —
l.c.l., dlvd., Ill., etc.....lb. .1325- —
other points, same basis. lb. .1400- —
wood-resin type (formerly designated as "ordinary"), dms., c.l., dlvd. Ill., Ind., etc..lb. .1050- .1075
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. 1.00 - 1.05
Gamboge, pipes, cs.....lb. No stocks
powd., bbls.....lb. No stocks
Ghatti, bgs.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .18 - .46
Kauri,[1] brown, chips, extra, bgs., c.l., ex dock, whse..lb. .18 - —
dust, same basis.....lb. .13½- —
nubs, same basis.....lb. .24 - —
No. 1, extra, same basis...lb. .34 - —
superior, same basis.....lb. .31 - —
No. 2, extra, same basis...lb. .30 - —
superior, same basis.....lb. .27½- —
No. 3, same basis.....lb. .22 - —
x, same basis.....lb. .26 - —
2x, same basis.....lb. .49 - —
3x, same basis. .....lb. .77 - —
bush, assorted, same basis.lb. .35 - —
bold, same basis.....lb. .40 - —
bright, same basis.....lb. .18 - —
chips, same basis.....lb. .32 - —
dark, same basis.....lb. .18 - —
white, chips, pale, same basis. lb. .20¾- —
dust, pale, same basis...lb. .20¾- —
extra, same basis..lb. .25½- —
No. 1, same basis.....lb. .45 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .30 - —
Superior, No. 1, same basis.. lb. .41 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .22 - —
3x, same basis.....lb. .63¾- —
4x, same basis.....lb. .66 - —
5x, same basis.....lb. 1.60 - —
Gum kauri, l.c.l., prices are ¼c. to ½c. higher.
Locust bean, powd., bbls....lb. .50 - .60
Mastic, cs.....lb. 5.00 Nom.
Myrrh, cs.....lb. .48 - .50
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs.....lb. .21 - .35
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac,[1] casks.....lb. .97½- .99½
Scammony, cs.....lb. 1.30 - 1.35
Gum, talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 3.90 - 3.90
No. 2, cs.....lb. 2.75 - 3.20
No. 3, cs.....lb. 2.15 - 2.60
Yacca,[1] red gum, coarse, bgs., ex dock, whse..lb. .06 - —
powdered .....lb. .07¼- —
Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.20.65 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N.Y., frt. equald..ton.20.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
Plaster of Paris, paper bgs., c.l., Acme, Texas, frt. equald. ton.12.50 - —
Blue Rapids, Kan., frt. equald..ton.10.50 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., Acme, Texas; Akron, N. Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich., Gypsum, Ohio; Harlem River, N.Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Tex.; Southard, Okla.; Sweetwater, Tex.; frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald, ton. 9.00 - —

Gypsum, terra alba, paper bgs., c.l., Harlem river, N. Y., works..ton.17.00 - —
New Brighton, N. Y.; Southard, Okla., works, ton.12.00 - —

H

Hawthorn berries, bgs.....lb. .57 - .60
Heliotropin, cryst., cns.....lb. 2.75 - 4.00
Hellebore, white, powd., bbls..lb. .4[illegible] - .4[illegible]
Helonias root, bls.....lb. 2.50 - 2.75
Hematine extract, cryst., No. 6, bbls., l.c.l..lb. .41 - —
No. 1, bbls., l.c.l.....lb. .40 - —
No. 1A, bbls., l.c.l.....lb. .37 - —
No. 2, bbls., l.c.l.....lb. .36 - —
No. 3, bbls., l.c.l.....lb. .34 - —
No. 4, bbls., l.c.l.....lb. .32 - —
No. 5, bbls., l.c.l.....lb. .30 - —
paste, No. 1, bbls., l.c.l.....lb. .17½- —
No. 2, bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .15¼- —
red, No. 4, bbls., l.c.l.....lb. .14½- —
Hemlock bark extract,[1,6] 25% tan, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.35 - 1.50
Henna leaves, bls.....lb. .25 - .26
powd., bbls., bxs.....lb. .28 - .31
Heptane,[4] industrial grade, 50°-100° C., dms., c.l., Group 3, gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- —
Heptane, industrial grade, 77°-115° C., dms., c.l., Group 3, gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .20 - .55
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanone).
Hexamethylenetetramine,[1] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots, same basis..lb. .25 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots, same basis..lb. .36 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3, gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .18 - —
l.c.l., Group 3.....gal. .29 - .55
Hexanol, normal, dms., c.l., works..lb. .25 - —
Homatropine hydrobromide, bots. oz.15.00 -25.00
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago.... unit-ton. 5.00 - 5.50
Hops, NF, bls.....lb. .55 - 1.50
Horehound, bls.....lb. .10½- .13
Hydrangea root, bls.....lb. No prices
Hydrastine, alkaloid, bots....oz.20.00 -25.00
Hydrochloride, bots.....oz.20.00 -22.00
Sulphate, bots.....oz.29.00 -32.50
Hydrastinine, 10-gr. bots....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., 5b. cns., works..lb. .30 - .46
Hydrogen peroxide, USP, bbls. lb. .03¾- .04
100 vols., cbys., E. of Miss. River or West coast via Panama Canal..lb. .15½- .16
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. No prices
dms., extra, ret'able, dlvd...lb. No prices
Hyoscine hydrobromide, bots..oz.39.00 -45.00
Hyoscyamine, bots.....oz.16.00 -20.00
Hydrobromide, bots.....oz.16.00 -20.00
Sulphate, bots.....oz.16.00 -20.00
Hypernic extract, cryst., No. 1, bbls., l.c.l..lb. .42 - —
No. 2, bbls., l.c.l.....lb. .34 - —
liquid, No. 1, bbls., l.c.l..lb. .24 - —
No. 2, bbls., l.c.l.....lb. .19 - —
solid, No. 1, bxs., l.c.l.....lb. .30 - —
Hyssop, bgs.....lb. 1.25 - 1.30

I

Iceland moss, bgs.....lb. .50 - .52
Ichthammol, NF, bots.....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.30
synth., paste, bots.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.19.50 -22.00
Insect flowers (see Pyrethrum).
Iodine, crude, 25-lb. jars.....lb. 1.07 - —
150-lb. kgs.....lb. 1.28½- —
resubl., 5-lb. bots., jars.....lb. 1.75 - 1.85

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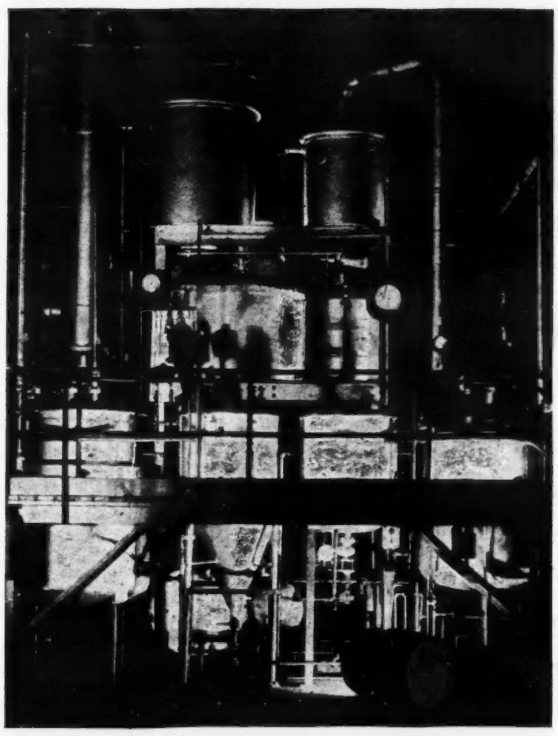

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Iodoform, 100-lb. dms., kgs.	lb.	3.90 - 4.10
25-lb. jars or fib. dms.	lb.	4.20 - —
Ionone, ketone, bot.	lb.	6.00 - 9.00
Methyl, bot.	lb.	6.25 -12.00
Ipecac root, bgs.	lb.	No prices
powd., bgs.	lb.	No prices
Irish moss, ordinary, bls.	lb.	.26 - .28
powd., 60-80 mesh, bbls.	lb.	.32 - .33
prime bleached, bls.	lb.	.35 - .40
powd., 60-80 mesh, bbls.	lb.	.40 - .50
Iron acetate, liquor, bbls., c.l., divd.	lb.	.17 - —
l.c.l., divd.	lb.	.18 - —
solut., USP IX, 100-lb. cbys.	lb.	.17 - —
50-lb. djns.	lb.	.18 - —
Chloride (ferric), anhydr., tech., dms., c.l., works.	100 lbs.	4.97 - 5.25
l.c.l., works.	100 lbs.	6.50 - 6.85
cryst., tech., bbls., works, frt. alld.	100 lbs.	4.00 - 6.00
USP X, lump, bbls.	lb.	.07 - .08½
solut., 42 Be, cbys., works, frt. alld. or equald.	lb.	.06½- .08
djns., same basis	lb.	.10 - —
Citrate, USP VIII, gran., dms.,	lb.	.70 - .75
powd., cns.	lb.	.84 - .87
Glycerophosphate, bbls.	lb.	3.40 - 3.50
Hypophosphite, bbls., dms.	lb.	1.50 - 1.52
Iodide, bots.	lb.	3.18 - 3.22
Naphthenate, 6% Fe, 50-gal. dms.	lb.	.18 - —
Nitrate, red., tech., dms.	lb.	.06½- .07
Oxalate, gran., dms.	lb.	.33 - .35
powd., cns.	lb.	.52 - —
kgs.	lb.	.47 - .49
Phosphate, soluble, NF, gran., cns.	lb.	.54 - .57
Pyrophosphate, gran., cns.	lb.	.59 - .62
Reduced, 99%, kgs.	lb.	.68 - .75
Resinate, 7.4% Fe, 100-lb. dms.	lb.	.17½- —
Sulphate (ferric), anhyd., bgs., c.l., works.	ton.	35.00 - —
l.c.l., works.	ton.	40.00 - —
(ferrous) tech. (see Copperas).		
USP, cryst., bbls., dms.	lb.	.06½- .11
Tallate, 4% Fe, 50-gal. dms.	lb.	.10¼- —

Iron-ammonia citrate, brown, green, gran., pearls, dms.	lb.	.35 - .39
scale, dms.	lb.	.49 - .53
Oxalate, bbls.	lb.	.25½- —
dms., kgs.	lb.	.25½- .26½
Iron-soda oxalate, bbls., dms.	lb.	.23½- .26½
Isobornyl acetate, cns., works.	lb.	.85 - .95
Propionate, dms., works.	lb.	No prices
Isoeugenol, cns., works.	lb.	3.75 - 4.25
Isopentane, dms., works.	lb.	.45 - .55
Isophorone, dms., c.l., works.	lb.	.21 - —
l.c.l., works.	lb.	.22 - —
tanks, works.	lb.	.20 - —
Isopropanol (see Alcohol, isopropyl).		
Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld.	lb.	.11 - —
l.c.l. E. of Rockies, same basis.	lb.	.11½- .12
tanks, E. of Rockies, same basis.	lb.	.10 - —
Alcohol (see Alcohol, isopropyl).		
Ether, dms., c.l., divd.	lb.	.06 - —
l.c.l.	lb.	.06½- —
tanks, divd.	lb.	.04½- —
Isopropylamine, dms., works.	lb.	.25 - —

J

Jaborandi leaves, bls.	lb.	.14 - .15
Jalap root, NF, bls.	lb.	.32 - .33
powd., bbls., bxs.	lb.	.38 - .39
Resin, lump, cns.	lb.	5.85 - —
powd., bxs.	lb.	5.90 - —
Juniper berries, dom., bgs.	lb.	.50 - .70
Juniper tar, USP, dms.	lb.	.85 - 1.00

K

Kamala, cns.	lb.	.53 - .55
Kaolin (see China clay).		
Kava kava root, bls.	lb	28 - 30

Kerosene, at refinery: Ark., 43-44 w.w., tanks.	gal.	.05 - —
Bayonne, 41-43 w.w., tanks.	gal.	.061 - —
California, 40-43 w.w., tanks,	gal.	.07 - —
Gulf ports, 41-43 w.w., tanks,	gal.	.04½- .05
Okla.-Tex., 41-43 w.w., tanks.	gal.	.04875- —
Penn., 45 w.w., tanks.	gal.	.0655- .0705
47 w.w., tanks.	gal.	.0705- —
Kola nuts, bgs.	lb.	.09 - .10
Kyanite,[1] imp., low iron content, 10-mesh, whse.	ton.	85.00 -95.00
calcined, grain, 10-mesh, whse.	ton.	95.00 -105.00

L

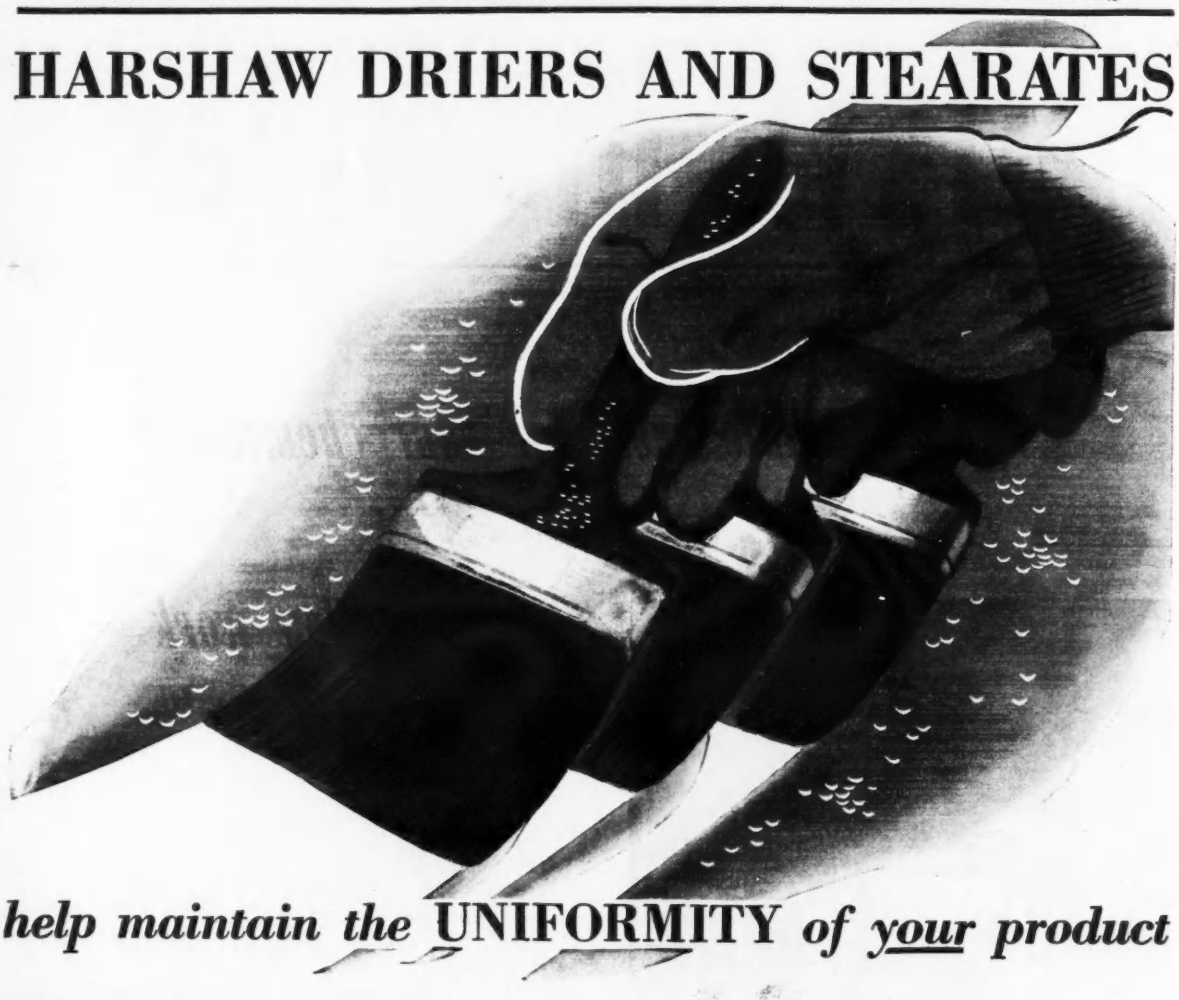
Ladyslipper root, bls.	lb.	1.35 - 1.40
Lanolin (see Adeps lanae).		
Lard,[1,7] pure, ref. trcs.	lb.	.1623½- —
prime steam, trcs.	lb.	.1448- —
Larkspur seed, bgs.	lb.	.82 - .85
Laurel berries, bls.	lb.	.25 - .26
Leaves, Cyprus, bls.	lb.	.23½- .23½
Greek, bls.	lb.	No stocks
Portuguese, bls.	lb.	.14½- .15
Turkish, bls.	lb.	.17 - .17½
Lavender flowers, medium, bls.	lb.	.75 - .80
ordinary, bls.	lb.	.48 - .60
select, bls.	lb.	.90 - .95
Lead, acetate,[1] white, broken, bbls.	lb.	.12½- —
cryst., bbls.	lb.	.12½- —
gran., powd., bbls.	lb.	.13½- —

Lead arsenate,[1,6] basic powder, 3-lb. bgs. or larger, c.l.	lb.	.11½- .12
l.c.l.	lb.	.12 - .12½
1-lb. ctns. c.l.	lb.	.15½- .20½
l.c.l.	lb.	.19 - .25
standard paste, cns. c.l.	lb.	.05¾- .06
l.c.l.	lb.	.06 - .06¾
powder, 3-lb. bgs. or larger, c.l.	lb.	.11 - .11½
1-lb. bgs., c.l.	lb.	.16 - .20
l.c.l.	lb.	.16½- .20½
1-lb. ctns., c.l.	lb.	.18 - .23
l.c.l.	lb.	.18½- .23½
½-lb. ctns., c.l.	lb.	.21 - .25
¼-lb. ctns., l.c.l.	lb.	.21½- .25½

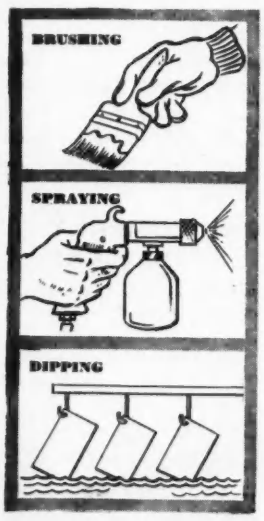
Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., divd. E.	lb.	.07½- —
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.07¾- —
l.c.l., divd. E.	lb.	.07¾- —
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.08 - —
Carbonate (see Lead, white).		
Chloride, fib. dms.	lb.	.49 - —
Iodide, NF V. bots.	lb.	2.80 - —
jars	lb.	2.69 - —
Linoleate, pale, precip., bbls.	lb.	.22½- —
Metal,[1,6] (see Protective Coatings Materials market).		
Metallic paste, dms., works.	lb.	No stocks
Naphthenate, 24%-30% Pb.	lb.	.14¾- .17½
Nitrate, bbls.	lb.	.12½- —
Oleate, bbls.	lb.	.17¾- —
Peroxide, powd., tech., bbls.	lb.	.22 - .30
Red, 95% Pb_3O_4 or less, bbls., c.l. (20 tons), divd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.	lb.	.09¼- —
other points	lb.	.09 - —
l.c.l., 5 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash.	lb.	.09¾- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash.	lb.	.10¾- —
Colo., Mont., N. Mex., Wyo.	lb.	.10 - —
other points	lb.	.09½- —
smaller lots, Ala., etc.	lb.	.10¼- —
Ariz., etc.	lb.	.10¾- —
Colo., etc.	lb.	.10½- —
other points	lb.	.10 - —
in oil, kgs.	lb.	.14 - —
97%, Pb_3O_4, bbls., c.l., divd. Ala., etc.	lb.	.09½- —
other points	lb.	.09¾- —
l.c.l., 5 tons, divd. Ala., etc.	lb.	.10 - —
Ariz., etc.	lb.	.10½- —
Colo., etc.	lb.	.10½- —
other points	lb.	.09¾- —
smaller lots, divd. Ala.,	lb.	.10¾ -
Ariz., etc.	lb.	.11 - —
Colo., etc.	lb.	.10¾ —
other points	lb.	.10¾ —
98% Pb_3O_4, bbls., c.l. (20 tons), divd., Ala., etc.	lb.	.09¾- —
other points	lb.	.09½- —
l.c.l., 5 tons, divd. Ala., etc.	lb.	.10¼- —
Ariz., etc.	lb.	.10¾- —
Colo., etc.	lb.	.10½- —
other points	lb.	.10 - —
smaller lots, divd. Ala., etc.	lb.	.10¼- —
Ariz., etc.	lb.	.11¼- —
Colo., etc.	lb.	.11 - —
other points	lb.	.10½- —
Resinate, precip., 23.3% Pb., dms.	lb.	.17½- —
Silicate, bgs.	lb.	.0730- .0780
Soyate, 26.15% Pb., dms.	lb.	.22¼- —
Stearate, bbls.	lb.	.31 - .38
Sulphate (see Lead, blue; Lead, white, basic sulphate).		
Tallate, 19% Pb. dms.	lb.	.06½- —
Titanate, bgs., bbls., c.l., works, frt. alld.	lb.	.11 - —
l.c.l., 5 tons, one delivery, E., frt. alld.	lb.	.11¾- —
Pac. Cst., ex whse.	lb.	.11½- —
smaller lots, E. frt. alld.	lb.	.11¾- —
Pac. Cst., ex whse.	lb.	.11¾- —
White, basic carbonate, bbls., c.l., divd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo.	lb.	.08½- —
divd. other points	lb.	.08¾- —
l.c.l., divd. Ariz., etc.	lb.	.08¾- —
other points	lb.	.08½- —
basic sulphate, dry, bbls., c.l., divd. Ariz., etc.	lb.	.07½- —
other points	lb.	.07¼- —
l.c.l., divd. Ariz., etc.	lb.	.08 - —
in oil, consumers, kgs.	lb.	.15¼- .15½
painters, kgs.	lb.	.13¾- .14¼
Lecithin, edible, dms., c.l.	lb.	.25¼- —
l.c.l.	lb.	.29½- .45
in cocoa butter, dms., c.l.	lb.	.35¼- —
l.c.l.	lb.	.40¾- .50
tech., dms., c.l.	lb.	.25¼- —
l.c.l.	lb.	.29½- .45
vegetable, pure, bots, 100 lbs.	lb.	2.75 - —
Lemon peel, bls.	lb.	.30 - .35
Licorice extract, mass, cns.	lb.	.35 - .70
powd., bbls.	lb.	.60 - .80
Root, Indian, bls.	lb.	.12 - .14
powder, bbls.	lb.	.18 - .20
Russian, bls.	lb.	.12 - .18
Spanish, bls.	lb.	.12 - .18
Turkish, bls.	lb.	.12 - .18
Lignin extract, tanning grade, bgs., c.l., works.	lb.	.04 - —
Lime, chemical (quicklime) lump, pebble, Adams, Mass.	ton.	8.00 - —
Annville, Pa.	ton.	7.50 - —
Bellefonte, Pa.	ton.	7.50 - —
Berkeley, W. Va.	ton.	7.50 - —
Buffalo, N. Y.	ton.	9.25 - —
Carey, Ohio.	ton.	7.00 - —
Cedar Hollow, Pa.	ton.	8.50 - —
Crab Orchard, Tenn.	ton.	6.90 - —
Eagle Mountain, Va.	ton.	7.05 - —
Farnams, Mass.	ton.	8.00 - —
Gibsonburg, Ohio.	ton.	7.50 - —
Hannibal, Mo.	ton.	6.50 - —
Keystone, Ala.	ton.	6.90 - —

HARSHAW DRIERS AND STEARATES



help maintain the UNIFORMITY *of your product*



THE proper drying and film characteristics of your product are safeguarded by the dependable uniformity of Harshaw Driers and Stearates. As each batch of driers moves to completion, metal content, viscosity, color and stability are carefully controlled. • The importance of this close checking is measured by the long list of Harshaw customers who repeat and repeat their orders for . . . Uversols (Naphthenates), Linoresinates, Pastes, Resinates, Linoleates, Soyates, Salts and Stearates. • We would like to add your name to our long list of satisfied customers.

SEND FOR:

- Booklet entitled "Helpful Data About the Full Line of Harshaw Driers"
- 32-page book listing Industrial Chemicals
- 72-page price list of Laboratory Chemicals

THE HARSHAW CHEMICAL CO.
1945 East 97th Street, Cleveland 6, Ohio
BRANCHES IN PRINCIPAL CITIES

HARSHAW

Swords into Ploughshares + Increased Demand = Patience, Please!

Yes, all kinds of packages and containers are short . . .

. . . beer cans, coffee cans, paint cans, talcum cans. Just name the line of industry that wants packages and it's the same old story, "We can't get enough."

For the time being, therefore, American Can customers must share the available supply of containers.

It is our responsibility to ration this supply among all our customers on an equitable basis. You understand, we are sure, that this is in the best interests of everyone.

Now, why are containers short?

For one thing, the war emphasized again that cans are the ideal container.

And today's demands are tremendous. For example, the estimated requirements for paint cans for 1946 have doubled since 1941. That was an all-time peak year. And yet, we are making more paint cans today than we did then.

Such increased demand prevails in nearly every industry that uses metal containers or metal-and-fibre containers.

Then, too, in changing back to cans from war packages, many industries must build up an inventory among distributors and dealers . . . another reason for an abnormal demand for containers at this time.

So, as we beat our swords into ploughshares and at the same time turn out more containers than we did in the peak year of 1941 . . .

. . . we *still* can't supply you fast enough.

Please have patience with us.

American Can Company CANCO New York Chicago San Francisco

NO OTHER CONTAINER PROTECTS LIKE THE CAN

Lime, chemical (quicklime) lump, pebble, Knoxville, Tenn. ton. 6.90 -
Limedale, Ark.....ton. 6.90 -
Longview, Ala.....ton. 6.90 -
Manistique, Mich....ton. 6.00 -
Marblehead, Ohio....ton. 7.50 -
Martinsburg, W. Va.ton. 7.50 -
Menominee, Mich....ton. 8.00 -
Mitchell, Ind.....ton. 6.50 -
Newala, Ala.....ton. 6.90 -
Ripplemead, Va.....ton. 7.25 -
Riverton, Va.....ton. 7.25 -
Rockland, Maine....ton. 8.00 -
Scioto, Ohio.....ton. 6.50 -
Sherwood, Texas.....ton. 6.90 -
Sherwood, Wisc.....ton. 8.00 -
Springfield, Mo.....ton. 7.00 -
Woodville, Ohio.....ton. 7.50 -
York, Pa.....ton. 7.50 -

Hydrated, Adams, Mass....ton. 9.00 -
Annville, Pa.....ton. 9.00 -
Bellefonte, Pa.....ton. 9.00 -
Berkeley, W. Va.....ton. 9.00 -
Buffalo, N. Y.....ton. 9.50 -
Carey, Ohio.....ton. 8.50 -
Cedar Hollow, Pa.....ton. 10.00 -
Crab Orchard, Tenn...ton. 9.25 -
Eagle Mountain, Va...ton. 9.15 -
Farnams, Mass.....ton. 9.00 -
Gibsonburg, Ohio.....ton. 8.50 -
Hannibal, Mo.....ton. 8.50 -
Keystone, Ala.....ton. 10.25 -
Knoxville, Tenn.....ton. 9.25 -
LeRoy, Minn.....ton. 10.00 -
Limedale, Ark.....ton. 9.00 -
Longview, Ala.....ton. 9.25 -
Manistique, Mich.....ton. 9.50 -
Marblehead, Ohio.....ton. 9.50 -
Martinsburg, W. Va...ton. 9.00 -
Menominee, Mich.....ton.
Mitchell, Ind.....ton. 9.00 -
Newala, Ala.....ton. 9.25 -

Lime, hydrated, Petoskey, Mich. ton. 9.00 -
Port Island, Mich.....ton. 9.00 -
Rapid City, S. Dak...ton. 12.00 -
Ripplemead, Va.....ton. 9.15 -
Rockland, Maine.....ton. 9.00 -
Scioto, Ohio.....ton. 8.00 -
Sherwood, Tenn.....ton. 10.05 -
Sherwood, Wisc.....ton. 10.00 -
Springfield, Mo.....ton. 9.00 -
Woodville, Ohio.....ton. 8.50 -
York, Pa.....ton. 9.00 -

Spray, paper bgs., Adams, Mass..ton. 10.00 -
Annville, Pa.....ton. 10.00 -
Bellefonte, Pa.....ton. 10.00 -
Carey, Ohio.....ton. 11.00 -
Farnams, Mass.....ton. 9.50 -
Gibsonburg, Ohio.....ton. 10.00 -
Marblehead, Ohio.....ton. 10.00 -
Rockland, Maine.....ton. 10.00 -
Scioto, Ohio.....ton. 10.00 -
Woodville, Ohio.....ton. 10.00 -
York, Pa.....ton. 10.00 -

Lime salts (see Calcium).
Lime-ammonia-nitrogen[2] 20.5% N. (see Ammonia nitrate-lime-stone).
Linalool, cns.....lb. 7.75 - 7.80
Linalyl acetate, ex Bois de rose, bots..lb. 8.50 -
ex lignaloe wood, bots.....lb. 7.75 - 8.40
ex petitgrain, bots.....lb. 3.90 - 4.10
Linden flowers with leaves, bls., lb. .85 - .90
Linseed meal,[1,7] 34%, bulk, c.l. ton. 45.00 -
32%, bulk, c.l.....ton. 43.00 -

Litharge, com'l, powd., bbls., c.l., dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash..lb. .08¼ -
other points.....lb. .08 -
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash. lb. .08¾ -
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09¼ -
Colo., Mont., N. Mex., Wyo..lb. .08 -
other points.....lb. .08½ -
smaller lots, dlvd. Ala., etc..lb. .09¾ -
Ariz., etc.....lb. .09¾ -
Colo., etc.....lb. .09½ -
other points.....lb. .09 -
Lithium carbonate, NF, bxs., kgs..lb. 1.25 - 1.30
Bromide, bbls., 100-lb. lots, works, frt. equald..lb. 1.90 -
smaller lots, works.....lb. 1.92 - 1.95
Chloride, jars.....lb. 1.65 - 1.70
Citrate, bbls., dms., kgs....lb. 1.40 - 1.41
Fluoride, bbls.....lb. 2.45 - 2.60
Hydroxide, jars.....lb. 1.25 - 1.46
Iodide, bots.....lb. 5.20 -
jars.....lb. 5.05 -
Stearate, fib. dms., 8 tons, works..lb. .50 -

Lithopone,[1] ordinary, bgs., c.l. (20 tons)..lb. .04¼ -
l.c.l.....lb. .04½ -
bbls., c.l.....lb. .04¼ -
l.c.l.....lb. .04¾ -
titanated, (high-strength), bgs., c.l..lb. .0560 -
smaller lots.....lb. .0585 -
bbls., c.l.....lb. .0585 -
smaller lots.....lb. .0610 -
Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst., ¼c. higher.
Liverwort leaves, bls.....lb. .65 - .90
Lobelia herb, bls.....lb. 1.10 - 1.15
Lobeline sulphate, bots.. wks..oz. 25.50 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l..lb. .24 -
No. 2, bbls., l.c.l.....lb. .22 -
liquid, No. 1, bbls., c.l.....lb. .17 -
No. 2, bbls., l.c.l.....lb. .16 -
No. 3, bbls., l.c.l.....lb. .15½ -
No. 4, bbls., l.c.l.....lb. .15 -
solid, No. 1, bgs., l.c.l.....lb. .23 -
No. 2, bxs., l.c.l.....lb. .20 -
bbls., c.l., Zone 1.....lb. .09½ -
No. 4, bxs., l.c.l.....lb. .23 -
No. 3, bxs., l.c.l.....lb. .23½ -
No. 5, bxs., l.c.l.....lb. .21¼ -
No. 6, bxs., l.c.l.....lb. .39½ - .44½
Lovage root, American (ligusticum actae folium), bls..lb. 1.20 - 1.50
Lupulin, NF, tin.....lb. 12.75 -13.00
Lycopodium, USP, cs.....lb. 1.75 - 2.00

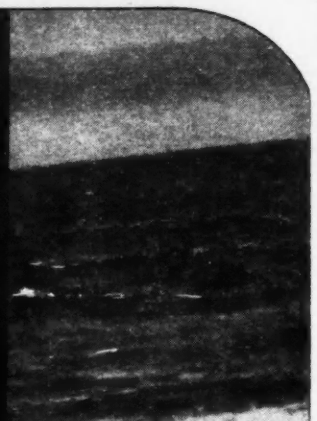
M

Mace,[1,7] Amboyna, cs.....lb. .77 Nom.
Banda, cs.....lb. .98 Nom.
West Indian, bgs.....lb. .62 Nom.
No. 1, bgs.....lb. .60 Nom.
broken, bgs.....lb. .55 Nom.
Madder, Dutch, bbls.....lb. .24 - .30
Magnesia arsenate,[1] dms.....lb. .153 - .16
Calcined, tech., USP, bbls., works..lb. .26 -
Carbonate, tech., bgs., c.l., l.c.l., Zone 1..lb. .07¼ -
bbls., c.l., Zone 1.....lb. .07½ -
l.c.l., Zone 1.....lb. .08½ -
kgs., c.l., Zone 1.....lb. .08¾ -
l.c.l., Zone 1.....lb. .09¼ -
USP, bgs., c.l., Zone 1....lb. .08 -
l.c.l., Zone 1.....lb. .09 -
bbls., c.l., Zone 1.....lb. .08½ -
l.c.l., Zone 1.....lb. .09½ -
kgs., c.l., Zone 1.....lb. .09¾ -
l.c.l., Zone. 1.....lb. .10¾ -

Magnesia carbonate prices, basis Phillipsburg, N. J., and Plymouth Meeting, Valley Forge, Pa.; l.c.l. prices ½c. lower, Zone 2, store delivery; store door delivery, both zones. Zone 1—Conn., Del., D. C., Md., Mass., N. J., N. Y., Pa., and R. I.; Zone 2, remainder of U. S.

Chloride, anhyd., bbls., dlvd..lb. .12¾ -
flake, bbls., c.l., works...ton. 32.00 -
l.c.l., works.....ton. 39.00 -42.00
Fluoride, bbls.....lb. .20 - .21
Hydroxide, medicinal, bbls., dms., kgs..lb. .29 - .30
Hypophosphite, cns.....lb. 1.45 -
Laurate, bbls.....lb. .33 - .35
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works.lb. 1.00 - 1.35
Phosphate, tribasic, USP, bbls. lb. .60 -
Silicate (see Talc).
Silicofluoride, bbls.....lb. .08 - .09
Stearate, cns.....lb. .31 - .33
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 -
smaller lots.....lb. .42 -
Magnesite, cal., powd., bgs., c.l., mines, Calif..ton. 33.75 -
dead-burnt,[1] bulk, c.l., f.o.b. Chewelah, Wash..ton. 22.00 -32.00
Maleic anhydride, dms., c.....lb. .25 -
l.c.l.....lb. .26 -
Malva flowers, black, bls.....lb. No stocks
blue, bls.....lb. 1.25 - 1.30
Leaves, bls.....lb. .43 - .44
Manaca root, bls.....lb. .50 - .51
Mandrake root, bls.....lb. .33 - .34
Manganese acetate, dms.....lb. .25½ -
Arsenate,[6] bgs.....lb. .12 - .13¼
Borate, tech., bbls.....lb. .16 - .19
Carbonate, bbls.....lb. .10 -
Chloride, anhyd., bbls.....lb. .15 - .18
Dioxide, African, battery, 84%-87%, bbls., 28-40 tons, works..ton. 74.00 -
smaller lots, works..ton. 77.00 -82.00
Caucasian, 85-90%, bbls., c.l., works..ton. 74.00 -
smaller lots, works..ton. 77.00 -82.00
85-90%, burlap bgs., c.l., works..ton. 71.75 -
l.c.l., works.....ton. 74.75 -79.75
paper bgs., c.l., works.ton. 70.00 -
l.c.l., works.....ton. 73.00 -
Glycarophosphate, bgs., bbls., 1,000-lb. lots..lb. 3.05 -
100-lb. lots.....lb. 3.15 -
cns., 25 lbs.....lb. 3.27 -
Hydrate, bbls., dlvd.....lb. .26 -
Iodide, bots.....lb. 5.70 -
jars.....lb. 5.55 -
Linoleate, liquid, 4%, dms..lb. .20 -
solid, precip., 8.2%, bbls...lb. .22 -
Naphthenate, 6% Mn, dms..gal. .16 -
Resinate, fused, 3½%, bbls..lb. .09 - .10½
precip., dms.....lb. .14½ - .15½
Soyate, 8.2% Mn, dms.....lb. .22 -
Sulphate, anhyd., dms., works, lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .05
fertilizer grade, 65%, bgs., c.l., dlvd. East..ton. 59.50 -
l.c.l., same basis, or Balto. or Cincinnati... ton. 68.50 -
industrial grade, 80%, bgs..lb. .05 - .05½
Taliate, 4% Mn, dms.....lb. .09 -
Mangrove bark,[1,8] E. Africa, 35% tannin, c.l., ex dock, U. S. ports..ton. 63.00 -64.00
Manna, flake, large, cs.....lb. No stocks
small, cs.....lb. No stocks
Mannitol,[6] com'l, bbls., works.lb. .35 - .40
reagent, cs. or multiples, works..lb. .35 -
Marjoram, Argentine, bls.....lb. .14 Nom.
California, French type, new crop, bls., Pacific Coast..lb. .34 - .35
Chilean, bls.....lb. .12 - .12½
Matico leaves, bls.....lb. .22 - .24
Menadione, USP, bots.....gram. .10 -
Menthol, natural, USP, cns...lb. 4.75 - 5.00
synthetic, tech., cns.....lb. No prices
USP, laevo, cns.....lb. No prices
racemic, cns.....lb. 4.00 - 4.05
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tubs..lb. .70 - .72
30%, pails.....lb. 1.80 -
50%, pails.....lb. 1.88 - 1.90

ORIGINAL PRODUCERS OF
MAGNESIUM SALTS
★ ★ ★ FROM ★ ★ ★
SEA WATER



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MARINE MAGNESIUM PRODUCTS CORPORATION
A dependable source of supply for
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ST. LOUIS: 126 Chouteau Avenue

Mercury bichromate (see Corrosive sublimate).
Bisulphate, dms.....lb. 2.59 - 2.61
Chloride (see Calomel).
Cyanide, cryst., powd.....lb. 2.56 - —
Iodide, red, NF, dms., kgs..lb. 4.20 - —
yellow, fib. dms., kgs.....lb. 4.38 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
yellow, USP, fib. dms.....lb. 2.94 - 2.96
tech. (see Yellow, mercury oxide).
Mercury and chalk, dms.....lb. 1.66 -1.76
Mesityl oxide, dms., c.l., divd..lb. .11½- —
l.c.l., divd.....lb. .12 - —
tanks, divd.....lb. .10½- —
Metal leaf, composition, 5½x5½ in..pkg. 3.00 - —
Gold X+, deep, 23, 3⅜x3⅜ in., pkg.15.00 - —
Silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .70 - —
Methanol,[1] natural, all grades, dms., c.l., E. of Miss. R., gal. .68 - —
l.c.l., same basis.....gal. .73 - —
tanks, same basis.....gal. .69 - —
Inside prices on natural methanol W. of Miss. R., 3c. higher.
Synthetic, dms., c.l., Zone 1, frt. alld..gal. .24 - —
2, frt. alld. or divd....gal. .34 - —
3, frt. alld.....gal. .38 - —
4, frt. alld.....gal. .38 - —
l.c.l., Zone 1, frt. alld. or divd..gal. .36 - —
2, frt. alld.....gal. .46 - —
3, divd. S. F. and L. A. gal. .41 - —
4, frt. alld. or divd...gal. .51½- —
tanks, Zone 1, frt. alld...gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —
Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Aris., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, non-ret. dms., c.l., divd..lb. .06¼- —
10 dms., divd.....lb. .09¾- —
1-9 dms., divd.....lb. .10¾- —
hydrogenated, non-ret. dms., c.l., divd..lb. .12 - .15½
10 dms.....lb. .13½- .16¾
1-9 dms.....lb. .14½- .17¾
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss.....lb. .11½- .12
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - 13½
tanks, E. of Miss.....lb. .09½- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss. lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10½
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .30½- —
Acetone, natural, Group A, dms., incl. E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis....gal. .76 - —
tanks, same basis.....gal. .60 - —
Natural methyl acetone prices W. of Miss. R., 3c. per gal. higher.
Group B, dms., c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis, gal. .66 - —
Zone 2, same basis.gal. .83 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .83 - —
tanks, Zone 1, same basis, gal. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4, same basis.gal. .64½- —
Natural methyl acetone zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.
Synthetic, dms., c.l., Zone 1. gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .43 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .45½- —
Synthetic methyl acetone zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore. and Seattle, Wash. Zone 4—Aris., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.20 - 2.35
Benzoate, cns.....lb. .48 - .51
Bromide, cns.....lb. .75 - .80
cyls. .....lb. .65 - .75
Chloride, refrigeration, cyls., 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., mach. mfrs. and jobbers..lb. .38 - —
service men and consumers..lb. .40 - —

Methyl chloride, tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .36 - .40
Methyl chloride quotations are spot or contract, ship. point; prices above are in 60, 90 and 180-lb. cylinders; 20-lb. cylinders, 10c. per pound higher.
Cinnamate, cns.....lb. 2.50 - 3.50
Formate, dms.....lb. .89 - —
Iodide, bots.....lb. 4.00 - 4.15
Lactate, dms., c.l., divd.....lb. No stocks
Oleate, dms., c.l.....lb. .35 - —
Salicylate,[1] dms., 500 lbs....lb. .35 - —
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, cns., dms., works..lb. No stocks
Methylcellulose, special, vis. (4,000 cps.) fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
smaller lots, frt. alld.....lb. .65 - .70
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
smaller lots, frt. alld....lb. .58 - .63
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .26 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, USP, kgs. 100 lbs. 2.00 - 2.15
cns., 5 lbs.....lb. 2.35 - —
Chloride, refrig., dms., wks..lb. .18 - .20
solvent, dms., works.....lb. .12 - .16
Methylethyl ketone, dms., divd. lb. .09 - —
l.c.l., divd.....lb. .09½- —
tanks, divd.....lb. .08 - —
Methylhexyl ketone, dms., tech., works—lb. .60 - —

Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Methylisobutyl ketone, dms., c.l., divd..lb. .11½- —
l.c.l., divd.....lb. .12 - —
tanks, divd.....lb. .10½- —
Methylnaphthyl ketone, cns...lb. 3.25 - 3.75
Methylpentanediol, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .16½- —
1 and 5-gal. cont., works..lb. .20½- .23½
tanks, works.....lb. .16 - —
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.ton.47.50 - —
l.c.l., works.....ton.51.00 - —
roofing, 20 mesh, bgs., c.l., works..ton.32.50 -33.00
l.c.l., works.....ton.38.00 -40.00
80-31 mesh, bgs., c.l., works, ton.32.50 -35.00
l.c.l., works.....ton.37.50 -40.00
40-45 mesh, bgs., c.l., works, ton.32.50 -35.00
l.c.l., works.....ton.37.50 -40.00
80 mesh, bgs., c.l., works, ton.40.00 -42.50
l.c.l., works.....ton.44.00 -45.50
graphitic, bulk, Pa., mines. ton.80.00 - —
wet-grd., biotite, bgs., c.l., works, frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
extra fine, bgs., c.l., works, frt. alld. E..lb. .04¾- —
l.c.l., ex whse. or frt. alld. E..lb. .05¼- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E..lb. .06 - —
rubber, bgs., c.l., works, frt. alld. E..lb. .05¼- —
l.c.l., ex whse. or frt. alld. E..lb. .05¾- —

Mica, wet-grd., wallpaper, bgs., c.l., works, frt. alld. E..lb. .05¼- —
l.c.l., ex whse. or frt. alld. E..lb. .06 - —
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .06½- —
l.c.l., ex whse. or frt. alld. E..lb. .07 - —
Mica, wet-grd., W. of Miss. R., ½c. higher W. of Rockies, ¾c. higher.
Milk powder,[1,7] skimmed, roller, bulk, c.l..lb. .14¼-
spray, bulk, c.l.....lb. .13¾-
whole, roller, bbls, c.l.....lb. .29 -
spray, bbls., c.l. .....lb. .30 -
Milk sugar,[1] bbls., c.l., works.lb. .26 -
l.c.l., works.....lb. .26¾- .27¼
Mineral spirits (see Petroleum, mineral spirits).
Molasses,[1,6] blackstrap, tanks, works, Area 1..gal. .13 -
Area 2 .....gal. .12½-
Area 3.....ton.26.00 -
Area 4.....ton.29.00 -
tanks, Area 5.....ton.24.00 -
Area 1, Fla., Ga., La., Tex.; Area 2, Mass., Md., N. J., N. Y.; Area 3, Calif; Area 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.
Molybdate orange (see Orange, molybdate).
Molybdenum metal,[1,6] kgs., 99% powd..lb. 2.60 - 3.00
Trioxide,[1,6] pure, kgs., works, basis Mo. content..lb. .85 - —
technical, kgs., works, basis Mo. content..lb. .80 - —
Monoamylamine, dms., c.l., works, basis 100%..lb. .61 - —
l.c.l., works, basis 100%, lb. .64 - —

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Monochlorobenzene, dms., c.l., works..lb. .05½- —
l.c.l., works.....lb. .07 - .08
Monoethanolamine, dms., c.l., frt. alld. E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Monoethylamine, dms., c.l., works basis 100%..lb. .17 - —
l.c.l., works, basis 100%...lb. .18 - —
tanks, 100% basis, works....lb. .15 - —
Monomethylamine, dms.....lb. .65 - —
Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz..0.90 - —
Acetate, bots., 5 ozs.....oz 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromine, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., l.c.l., works, lb .67 - —
smaller containers, works...lb. .75 - —
Mullein leaves, cns.....lb. .12 - .135
Musk, nat., Tonquin, grains, bots., oz.55.00 -60.00
synthetic, ambrette, cns., 100 lbs., or more..lb 4.00 - 9.10
25 lbs.....lb. 4.10 - 9.10
5 lbs.....lb 4.25 - 9.45
ketone, cns., 100 lbs. or more..lb. 4.15 - 9.25
25 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
Xylol, cns., 100 lbs. or more. lb. 1.40 - 2.00
25 lbs.....lb. 1.50 - 2.60
5 lbs.....lb. 1.65 - 2.90

Muskroot, bls.....lb. 2.25 - 2.30
Mustard seed, Calif., brown, bgs. lb. .14½- .15
yellow, bgs.....lb. .21 Nom.
Danish, yellow, bgs.....lb. .24 - .24½
Montana, brown, bgs.....lb. .11 - .11½
oriental, bgs.....lb. .11½- .12
yellow, bgs.....lb. .24½- .25
Swedish, bgs., futures.....lb. .38 - .38½
Washington, yellow, bgs...lb. .24½- .25
Myrobalans,[1] whole, J1, U. S. ports, ex dock..ton.57.00 - —
J2, same basis.....ton.51.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74°, bgs., c.l., frt. equald..lb. .03 - —
bbls., c.l., same basis...lb. .061 - —
tanks, same basis.....lb. .0276- —
78°, bgs., c.l., same basis.. lb. .0325- —
bbls., c.l., same basis...lb. .0325- —
tanks, same basis.....lb. .03 - —
refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .08 - —
50-lb. cs., same basis....lb. .06½- —
1-lb. pkgs., same basis...lb. .06¾- —
Neocinchophen, USP, dms.....lb. 7.00 - 7.10
Nepheline syenite,[1] glass grade, 24 mesh, bulk, Rochester, N. Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.15.50 - —
Nephelinesyenite in bgs. is $2 per ton higher than bulk.
Nerolin, crys., cns.....lb. 1.70 - 1.80
Niacin (see Acid, nicotinic)
Nickel, carbonate, bbls.....lb. .36 - .36¼
Chloride, bbls.....lb. .18 - .20
Cyanide, bots., dms.....lb. No stocks
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 96 lbs..lb. .8560- —
tins, 10 lbs.....lb. 1.015 - —
Nicotinamide, USP, dms....kilo.11.00 -11.80
Nikethamide, bots., cbys.....lb. 9.00 -12.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l.....lb. .09 - —
tanks.....lb. .07 - —
Nitrocellulose, alcohol-soluble, ¼ sec., 30-35 cps., bbls., works, dry weight..lb. .28 - —
5-6, 40-60 cps., same basis, lb. .27 - —
ester-soluble, ¼, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .26 - —
5-6, 15-20 cps. and higher, bbls., works, dry weight, lb. .25 - —

Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.

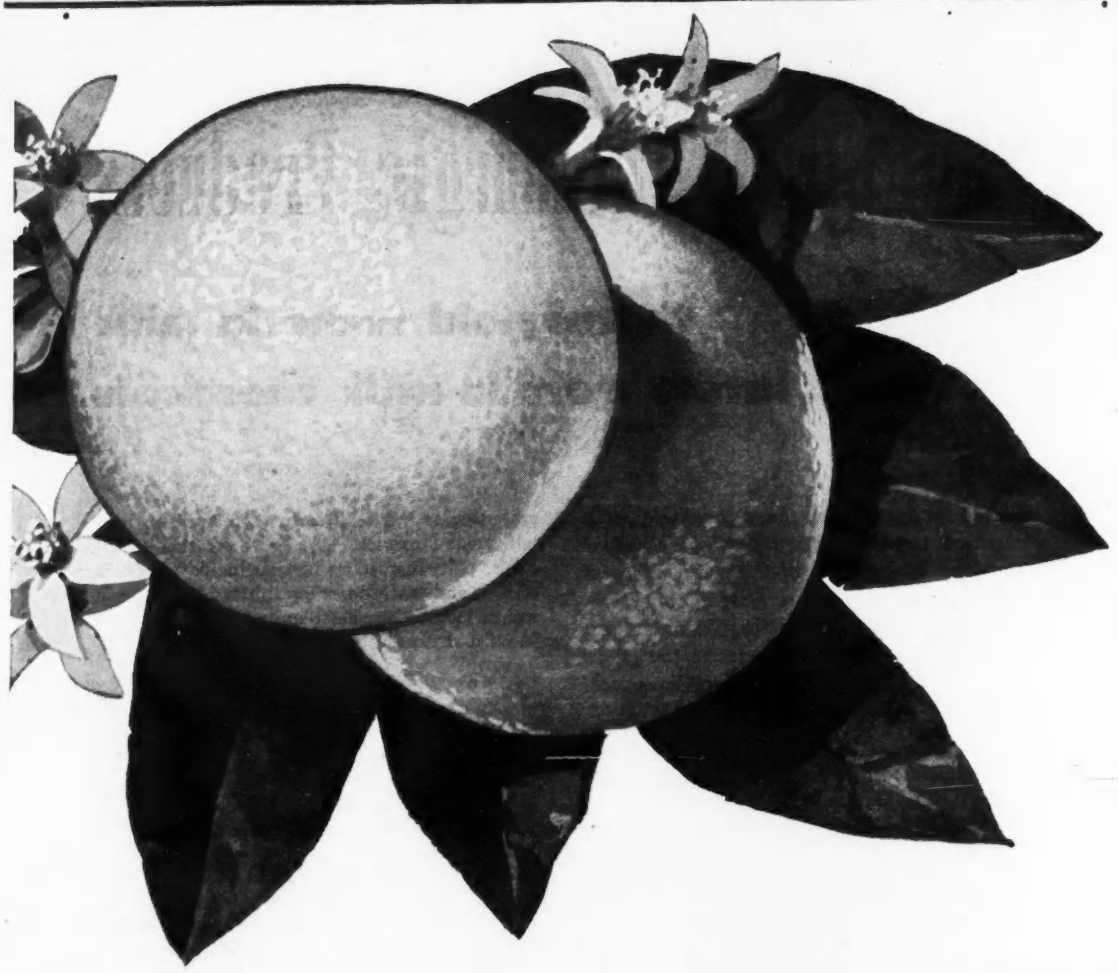
Nitroethane, dms., works.....lb. .25 - —
Nitrogen solut., tanks.....ton N.108.21 - —

Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis.

Nitrogenous process tankage,[1,7] Hopewell, Va., bulk, works, unit-ton. 3.15 - 3.60
Sewage sludge,[1] bulk, works, unit-ton, 2.60 + .40 - 3.00 + .40
Nitromethane, dms., c.l., works, lb. .25 - —
Nitronaphthalene, bots.....lb. .24 - .28
Nitropropane I, dms., works...lb. .25 - —
II, dms., works.....lb. .25 - —
Nutgalls,[8] Aleppo, bgs.....lb. No stocks
Chinese, bgs.....lb. No stocks
Nutmegs,[1,7] West Indian, No. 1, futures..lb. .34¼- .34⅝
Nux vomica, bls.....lb. .10 - .11
powder, bbls., bxs.....lb. .13½- .14

O

Oakbark extract,[1,9] 25% tannin, bbls., c.l., works..lb. No stocks
Octane,[1] 100° C-140° C, industrial grade, dms., c.l., G.S..gal. .15½- —
l.c.l., G. S.....gal. .29 - —
10 gals., G.S.....gal. .55 - —
tanks, G.S.....gal. .13 - —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .35 - —
Oil, almond, artificial (see Benzaldehyde).
Bitter, F.P.C., bots.....lb. 4.60 - 5.25
USP, bots.....lb. No prices
Sweet, exp., dms., cns.....lb. 1.10 - 1.25
Angelica root, bots.....lb.120.00 -140.00
Seed, bots.....lb. No stocks
Anilin (see A).
Anise, Russian, USP, cns....lb. 4.00 - —
Chinese, dms.....lb. 3.25 - 3.50
Apricot kernel, cns.....lb. .45 - .60
Avocado, cns., dms.....lb. 1.00 - 1.10
Babassu,[1,7] tanks.....lb. .1110- —
Bay, W. I., 50-55%, cns.....lb. 1.40 - 1.65
Puerto Rican, 50-55%, cns..lb. 1.75 - —
Bergamot, artif., cns.....lb. 2.25 - 6.00
natural, Italian, cns.....lb. 8.00 -10.00
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. No stocks
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns....lb. 5.00 - 7.00
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Juniper tar).
Cajeput, tech., dms.....lb. No stocks
redistilled, USP IX, cns....lb. No stocks
Calamus, cns.....lb.20.00 -24.00
Camphor, synthetic, white, cns. lb. .20 - .40
Cananga, native, cns.....lb. 8.00 -10.50
rectified, cns.....lb. No stocks
Capsicum (see Capsicum, oleoresin).
Caraway, NF, cns.....lb. 8.00 -10.25
Cardamom, bots.....lb.16.50 -22.50
Cassia, USP, cns.....lb. 9.50 -10.75
Castor,[1] blown, ret. dms., c.l. lb. .16½- —
l.c.l.....lb. .17¼- —
cold pressed, USP, cns....lb. .17 - .19
dms., c.l.....lb. .15 - —
l.c.l.....lb. .15¾- —
tanks.....lb. .1430- —
dehydrated, bodied, dms., c.l. lb. .1975- —
l.c.l.....lb. .2015- —
tanks.....lb. .1935- —
unbodied, dms., c.l.....lb. .1875- —
l.c.l.....lb. .1915- —
tanks.....lb. .1835- —
No. 3, tech., dms., c.l....lb. .14¾- —
l.c.l.....lb. .15½- —
tanks.....lb. .14 - —
sulphonated, 50% (48% fat), dms., c.l..lb. .10 - .10¼
l.c.l.....lb. 10½- .11
75% (63% fat), dms., c.l..lb. .12½- .12⅝
l.c.l.....lb. .13 - .13¼
80% (68% fat), dms., c.l..lb. .12⅝- .13
l.c.l.....lb. .13¼- .13½
Cedarleaf,[1] USP, cns., dms..lb. 2.35 - 2.75
Cedarleaf[1], USP, cns., dms..lb. 2.35 - 2.80
Celery, bots.....lb.16.50 -18.00
Chaulmoogra, USP, cns....lb. .60 - .65
Chinawood (see Oil, tung).
Cinnamon bark, bots.....lb.32.50 -45.00
leaf, dms.....lb. 1.40 - 1.85
Citronella, Ceylon, cns.....lb. 1.65 - 1.80
Clove, USP, cns.....lb. 1.50 - 1.85
Coconut,[1,7] crude, Ceylon, bulk, c.i.f. N. Y..lb. .0885- —
Cochin type, bulk, c.i.f. N. Y..lb. .0925- —
Manila, bulk, c.i.f. N. Y..lb. .0835- —
ret. dms.....lb. .0885- .0965
edible, ex tax, bulk.....lb. .0965- —
Cod, Newfoundland, dms....gal. .88 - .90
tanks.....gal. .86 - —
Codliver, USP, bbls., dms..gal. 2.15 - 2.25
Coriander, bots.....lb.25.00 -35.00
Corn,[1,7] crude, tanks, works.lb. .12¾- —
edible, dms., l.c.l.....lb. .16¼- .16¾
tanks.....lb. .1502- —
foots, acid, 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E.lb. .08½- —
Cottonseed,[2,7] crude, tanks, works..lb. .12½- .13¼
foots, acid, 95% tanks, dlvd. E..lb. .07¾- —
raw, 50%, tanks, dlvd. E., lb. .08¾- —
salad, l.c.l., dms.....lb. .16¾- .17
Creosote (see C).
Croton, NF, cns.....lb. No prices
Cubeb, cns.....lb. No prices
Crude (see Petroleum, crude)
Cumin, bots.....lb.22.00 - —
Cypress, bots.....lb.12.00 -16.00
Degras (see D)
Dillseed, bots.....lb. 6.00 - 7.00
Dillweed, bots.....lb. 4.25 - 4.50
Dip (see D).
Erigeron, cns.....lb. 2.25 - 2.40
Eucalyptus, 80-90%, cns.....lb. 1.18 - 1.40
Fennel, sweet, cns.....lb. 3.75 - 4.00
Fir, Canada, cns.....lb. 2.25 - 2.80
Fishliver,[1] dms., less than 40,000 A units per gram... per million units. .14 - —
for each 1,000 additional A units up to 200,000 per gram. per million units. .001 - —
200,000 or more A units.... per million units. .20 - —
Fuel (see Petroleum, fuel oil).
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns....lb. No stocks
Geranium, Bourbon, cns.....lb.16.50 -22.00
Russian, cns.....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb.11.00 -13.00
Grapefruit, cns.....lb. 2.05 - 2.75
Grease, common, No. 1, bbls., c.l..lb. .14 - —
extra, No. 1, bbls., c.l.....lb. .14½- —
Winter strained, bbls., c.l..lb. .15 - —
prime, burning, bbls., c.l..lb. .16 - —
inedible, bbls., c.l.....lb. .15½- —
Guaiacwood, cns.....lb. 3.10 - 4.00
Hemlock, cns.....lb. 2.00 - —
Herring,[1] crude, tanks, Pac. coast..lb. .089 - —
Juniper, berry, dom., bots....lb. 6.75 - 7.50
Juniper tar, USP (see Juniper Tar).
Juniper, berry, dom., bots....lb. 6.50 - 7.50
Lard oil (see Oil, grease).
Laurel, bots.....lb. No prices



You can't afford *not* to use it!

The flavor you put in your product is the *decisive ingredient*. For flavor is what the consumer buys. He judges *quality* by *taste*.

Exchange Oil of Orange gives you more *real orange flavor*, drop for drop or pound for pound, than any other orange oil. That's why more leading American manufacturers use it.

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ORANGE
U. S. P.

Oil, lavandin, cns.....lb. 6.00 - 8.00
Lavender flower, French, 38%-42% ester, cns..lb.13.00 -17.00
30-32% ester.....lb. 8.50 - —
Russian, cns.....lb.14.50 - —
spike, Spanish, pure, cns...lb. 2.75 - 3.10
tech., cns.....lb. 2.35 - 2.50
Lemon, USP, Calif., cns.....lb 3.25 - —
Messina,[1] cns.....lb. No stocks
Terpeneless, bots.....lb.42.00 -50.00
Lemongrass, cns., dms.....lb. 2.95 - 3.85
Lignaloe seed, Mexican, cns. lb. No stocks
wood, Mexican, cns.....lb. 4.45 - 4.95
Brazilian (see Bois de Rose).
Lime, distilled, Mexican, cns., lb. 6.00 - 6.75
West Indian, cns.....lb. 7.00 - 7.50
expressed, West Indian, cns., lb.13.50 -15.00
Linseed,[1,7] raw, dms., c.l.....lb. .1550- —
l.c.l. .....lb. .1600- .1650
tanks .....lb. .1470- —
tankwagon .....lb. .1470- —
Boiled linseed oil, .004 higher than raw.
Linseed, replacement, dms., c.l..lb. .1400- .1550
tanks .....lb. .1320- .1470
Lubricating,[1] at refinery, ex tax, California, neutral, pale, 200-800 vis., 2¼-4 pour, tanks..gal. .07¼- .11
red., 200-900 vis., 4-6½ pour, plus tanks..gal. .07¼- .11¼
Group 3, bright stock, 150-160 vis., 0.25 pour, tanks, gal. .23 - —
neutral, 300 vis., No. 3, col., 0-10 pour, tanks, gal. .16 - —
200-300 vis., No. 2, col., 15-25 pour, tanks, gal. .15 - .16
Pa., bright stock, 145-155 vis., No. 8 color, 10-25 pour, tanks..gal. .25 - .30½
cylinder oils, 600-620 flash, tanks..gal. .16 - .17
600-650 steam, refd., tanks..gal. .15 - .15½
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks..gal. .26 - .31
200 vis., 25 pour, tanks, gal. .28 - .33
Mace, dist., cns., dms.....lb. 4.75 - 5.25
Mandarin, Brazilian, cns....lb. 6.60 - 8.75
Menhaden,[1,7] crude, tanks, Balto..lb. .0890- —
refined, alkali, dms., l.c.l..lb. .1400- —
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1300- —
tanks .....lb. .1225- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns....lb. 1.45 - 1.65
Seed, exp., dms., extra....lb. .14¾- —
Neatsfoot,[1] 15°, bbls.....gal. 1.80 - 1.85
20°, bbls.....gal. 1.75 - 1.80
30°, bbls.....gal. 1.55 - 1.60
pure, bbls.....lb. .15½- .16¼
Neroli, French, bots.....lbs.250.00 -300.00
Haitian, bots.....lb.195.00 -200.00
Officica,[1] liquid, dms., c.l...lb. .25½- —
dms., l.c.l.....lb. .25½- —
Oleo,[1] extra, dms., Chicago..lb. .1304- —
prime, dms., Chicago.....lb. .1275- —
Olibanum, bots.....lb. 4.75 - 5.00
Olive, denat., dms.....gal. No stocks
edible,[1] Calif., 38%-½% f.f.a., dms., extra, works..gal. 4.20 - 4.80
imported, dms.....gal. No stocks
foots,[1] dom., dms., c.l....lb. .18 - —
tankcars, works.....lb. .17 - —
imp.,[1] dms., c.l., ex dock, lb. .18 - —
tankcars, ex dock....lb. .17 - —
sulphonated, 50% (40% fat), dms., c.l..lb. No stocks
l.c.l. .....lb. No stocks
80% (68% fats), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
85% (68% fat), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
Orange, sweet, dist., cs.....lb. 1.25 - 1.35
expressed, USP, Brazilian, cns..lb. 1.30 - 1.65
Calif., cns.....lb. 1.55 - 2.00
Florida, cns., dms.....lb. 1.40 - 1.70
Messina, coppers.....lb. No stocks
West Indian, cns.....lb. 2.75 - 3.00
sesquiterpeneless bots.....lb.100.00 -112.00
Origanum, Spanish, cs.....lb. 2.40 - 2.85
Palm,[1,7] Niger, dms.....lb. .0865- —
Palmarosa, cns.....lb. No stocks
Palmkernel,[1,7] crude, bulk, c.i.f. N.Y..lb. 0885 Nom
Paraffin,[1] 300° flash, 100-110 vis., tanks, G.S..gal. .06¾- .06½
320° flash, 60-70 vis., tanks, G.S..gal. .06 - —
350° flash, 70-80 @ 100 vis., 0/10 pour, G.S..gal. .06 - —
80-85 vis., 0/10 pour, bbls., extra, Ind. ref'y..gal. .09½- —
100-110 vis., 0/10 pour, same basis..gal. .06¼- .15
10/25 pour, same basis..gal. .06¼- .09¾
Patchouli, cns.....lb. No stocks
Peanut,[1,7] bleached, deod., tanks, dlvd. E..lb. .1501- —
crude, tanks, works.....lb. .1275- .1325
foots, acid, 95%, tanks, dlvd. E..lb. .06 - —
raw, 50%, tanks, dlvd. E..lb. .04 - —
hydrogenated, tanks, dlvd. E., lb. .1375- .1875
Pennyroyal, dom., dms., cns.lb. 3.25 - —
import, cns.....lb. 3.25 - 3.55
Peppermint,[1] natural, dms...lb. 6.25 - 6.85
redist., USP, dms.....lb. 6.65 - 7.50
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns., dms., lb. 2.75 - 3.20
Pimento, berry, dms.....lb. 6.85 - 6.00
leaf, cns.....lb. 3.65 - 4.85
Pine,[1] ret. dms., c.l., dlvd. E., gal. .63 - .69¼
l.c.l., dlvd. E.....gal. .73 - —
tanks, works.....gal. .55 - —
Pineneedle, cns.....lb. 3.10 - 3.35
Putty, bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
dms., c.l., Whiting, Ind..gal. *.24 - —
Boston, Providence....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
* Extra for bbls., but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.
Rapeseed,[1] bulk.....lb. .13 - —
Red,[1] ret. bbls., c.l., dms., dlvd. E. of Rockies..lb. .13½- —
W. of Rockies.....lb. .14½- —
Texas and Okla.....lb. .13¾- —
tanks, dlvd. E. of Rockies.. lb. .12¼- —
W. of Rockies.....lb. .12½- —
Texas and Okla.....lb. .13 - —
double dist., ret. dms., c.l., dlvd. E. of Rockies...lb. .15¼- —
W. of Rockies.....lb. .16¼- —
Texas and Okla.....lb. .16¾- —

Oil, red, double-distilled, special non-ret., dms., bbls., c.l., dlvd. E. of Rockies. lb. .15¾- —
W. of Rockies.....lb. .17¾- —
Texas and Okla.....lb. .17½- —
Red oil prices for ton lots are ⅛ cent pound higher, and 1 cent higher for less than ton lots.
Rose, natural, coppers.....oz.31.25 -45.00
Rosemary, Spanish, tech., cns., dms..lb. 1.20 - 1.35
USP, cns., dms.....lb. 1.45 - 1.60
Rosin, 1st rectified, dms...gal. .66 - —
2nd rectified, dms.....gal. .68 - —
3rd rectified, dms.....gal. .72 - —
Rue, bots.....lb. 4.75 - 5.25
Sage, Spanish, cns.....lb. 2.50 - 3.20
Sandalwood, NF, Mysore, cns., case lots..lb. 9.62 - —
imported, cns.....lb.14.75 -16.00
Sardine, crude,[1,7] tanks, Pac. coast..lb. .089 - —
refined, alkali, dms., l.c.l..lb. .1400- —
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1300- —
tanks .....lb. .1225- —
Sassafras, artif., Brazilian, cns. ib. .62 - .80
natural, cns., dms.....lb. 2.00 - 2.30
Savin, cns.....lb. No stocks
Savory, cns.....lb. 8.00 - —
Seal,[1] No. 1, tanks, U.S. ports. lb. .089 - —
Sesame,[1,7] tanks.....lb. .1430- —
Shingle stain, bbls., c.l., works, gal. .2185- —
l.c.l., works.....gal. .22 - .30
tanks, works.....gal. .15 - .16
Snakeroot, Canada, cns.....lb. No stocks
Soybean,[1,7] clarified, dms...lb. .1296- .1338
tanks .....lb. .1250- —
crude, tanks, Decatur.....lb. .1175- —
deod., Winter, tanks.....lb. .1325- —
ret. dms.....lb. .1500- .1540
Spearmint, dms.....lb. 4.00 - 4.25
Sperm, bleached, 88°, dms...lb. .1442- —
natural, 45°, dms.....lb. .1310- —
Spruce,[1] cns., dms.....lb. 2.55 - 2.75
Sunflower,[7] imp., refined, tanks, lb. .1438- —
semi-refined, tanks.....lb. .1430- —
Sweet birch, North, cns.....lb. 5.00 - 5.85
South, cns.....lb. 2.50 - 3.75
Tall,[1] crude, dms., c.l., works, ton.53.65 -55.00
l.c.l., works.....ton.58.65 -63.65
tanks, works.....ton.40.00 -45.00
refined, dms., c.l., works..lb. .05 - .05¼
l.c.l., works.....lb. .05½- —
tanks, works.....lb. .04½- —
Tallow, acidless, bbls.....lb. .14¼- —
tanks .....lb. .13¾- —
Tansy, cns.....lb. No stocks
Tar,[1] pine, crude, dms., c.l., dlvd. E. cities..gal. .82¾- —
l.c.l., works.....gal. .29¾- —
tanks, dlvd. E. cities....gal. .27 - —
rectified, USP, bbls.....gal. .60½- —
Tar acid (see T).
Thyme, NF, red, cns.....lb. 2.60 - 3.20
white, cns.....lb. 2.85 - 3.50
Tung,[1] dms., c.l.....lb. .39 - .39½
l.c.l. .....lb. .40 - .41
tanks .....lb. .38½- —
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, USP, cns., dms..lb. .27 - .29
Vetiver, Bourbon, cns.....lb.37.00 -40.00
Whale,[1] ref., natural, dms..lb. .1187 Nom.
Winter bleached, dms....lb. .1232 Nom.
Wheat germ, dms.....gal.10.00 -13.50

Oil, soybean, foots, acid, 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E..lb. .03½- —
refd., varnish, dms.....lb. .1380- .1400
tanks .....lb. .1340- .1345
Spearmint, dms.....lb. 4.00 - 4.25
Sperm, bleached, 88°, dms...lb. .1442- —
natural, 45°, dms.....lb. .1310- —
Spruce,[1] cns., dms.....lb. 2.55 - 2.75
Sunflower,[7] imp., refined, tanks, lb. .1438- —
semi-refined, tanks.....lb. .1430- —
Sweet birch, North, cns.....lb. 5.00 - 5.85
South, cns.....lb. 2.50 - 3.75
Tall,[1] crude, dms., c.l., works, ton.53.65 -55.00
l.c.l., works.....ton.58.65 -63.65
tanks, works.....ton.40.00 -45.00
refined, dms., c.l., works..lb. .05 - .05¼
l.c.l., works.....lb. .05½- —
tanks, works.....lb. .04½- —
Tallow, acidless, bbls.....lb. .14¼- —
tanks .....lb. .13¾- —
Tansy, cns.....lb. No stocks
Tar,[1] pine, crude, dms., c.l., dlvd. E. cities..gal. .82¾- —
l.c.l., works.....gal. .29¾- —
tanks, dlvd. E. cities....gal. .27 - —
rectified, USP, bbls.....gal. .60½- —
Tar acid (see T).
Thyme, NF, red, cns.....lb. 2.60 - 3.20
white, cns.....lb. 2.85 - 3.50
Tung,[1] dms., c.l.....lb. .39 - .39½
l.c.l. .....lb. .40 - .41
tanks .....lb. .38½- —
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, USP, cns., dms..lb. .27 - .29
Vetiver, Bourbon, cns.....lb.37.00 -40.00
Whale,[1] ref., natural, dms..lb. .1187 Nom.
Winter bleached, dms....lb. .1232 Nom.
Wheat germ, dms.....gal.10.00 -13.50

Oil, white mineral, tech., 50-65 vis., dms., incl., c.l.gal. .34 - .41
c.l. .....gal. .37 - .41
65-75 vis., dms.,, dms.incl., c.l..gal. .35 - —
l.c.l. .....gal. .38 - .42
USP, 50/90 vis., dms., dms. incl., c.l..gal. .37 - —
l.c.l. .....gal. .40 - .44
125/135 vis., dms., dms. incl., c.l..gal. .46 - —
l.c.l. .....gal. .49 - .53
145/155 vis., dms., dms. incl., c.l..gal. .43 - —
l.c.l. .....gal. .51 - .55
175/185 vis., dms., dms. incl., c.l..gal. .50 - —
l.c.l. .....gal. .53 - .57
200/210 vis., dms., dms. incl., c.l..gal. .54 - —
l.c.l. .....gal. .57 - .61
335/345 vis., dms., dms. incl., c.l..gal. .62 - —
l.c.l. .....gal. .65 - .69
55, 70 and 85 vis., non-ret. dms., San Francisco..gal. .42 - —
smaller lots, same basis, gal. .44 - .47
100 vis., non-ret. dms., 65 dms., San Francisco.. gal. .51½- —
100 vis., non-ret. dms., San Francisco, smaller lots, same basis..gal. .53½- .56½
145 vis., non-ret. dms., 65 dms., San Francisco..gal. .59 - —
smaller lots, same basis, gal. .61 - .64
180 vis., non-ret., dms., 65 dms., San Francisco..gal. .62½- —
smaller lots, same basis, gal. .64½- .67½
340 vis., non-ret. dms., 65 dms., San Francisco..gal. .74 - —
smaller lots, same basis, gal. .76 - .79

WAR YEARS HAVE BEEN
PRODUCTIVE
IN THE RESEARCH FIELD

n-HEXYL SALICYLATE Is of value in Fougere type odors. It has exceptional floralcy.

ALPHA METHYL CINNAMIC ALDEHYDE Used in Jasmin odors, where a floral note is desired.

CHERIOL For use in both flavors and perfumes. It is interesting in wild cherry flavors. It has a woody after-note which makes it attractive in perfumes of many types.

DIASMOL Is used in Jasmin odors and floral odors generally. It has a green, leafy note which is found in natural Jasmin.

RESEDALIA A chemical which is present in many well known perfumes. It gives a very interesting and unusual note.

CYCLAMAL ACETAL An interesting development of this well known product. Fainter in aroma than Cyclamal, it is extraordinarily stable.

ALDEHYDE 3-A Has a leafy floral note.

KETONE 12-A Is of value in all types of Violet bouquets, wherever Ionones are used and a special Ionone note is desired.

GLYCIDOL Is valuable in Walnut and Butter flavors.

LILANAL Has a leafy rose note and is an excellent Lily of the Valley base. It is soft and fine.

ROSANOL A rose leaf note, reminding of Bromstyrol, but very much finer.

2-ETHYL HEXYL SALICYLATE

CYCLOKETAL Is of value in Russian Leather type perfumes.

b-ETHOXY SALICYLATE

b-ETHOXY ETHYL SALICYLATE

FOLIANOL

n-OCTYL SALICYLATE

n-BUTYL SALICYLATE

AMBRIOL A very stable and lasting product, with an Amber note. It is of value particularly in cream odors and is also a fine underlying odor for many types of soap perfumes.

GERANIUM BODY Enhances the odor of Oil of Rose Geranium. It is exceptionally valuable in soap perfumery. Its value is not apparent until actually tried and age tests are made of the finished product, when it shows to great advantage.

b-METHOXY ETHYL SALICYLATE

ETHYL HEXYL SALICYLATE

FIXATONE Is a high boiling point fixative for soap perfume.

LILANTHAL Is of value in all types of Lilac perfume.

JASMINOL Similar to Alpha Amyl Cinnamic Aldehyde, but very stable. Of much finer odor.

CUIRUSAL Is an interesting odor for the development of new type perfumes.

SALIXOL A light, pleasing Cinnamic Willow Bark note. It is of interest both in flavors and perfumes.

CUMINONE An odor note similar to Cuminic Aldehyde, but much softer and finer.

ACASOL Of value both in perfumes and flavors.

MUGINOL For Lily of the Valley type perfumes.

FLORAFAL Of a floral leafy character.

Information in regard to these, together with samples, will be furnished on request on your firm's letterhead. A preview of what is coming in the aromatics field is yours for the asking.

ESTABLISHED 1910 GD CO AROMATICS DIVISION

Aromatics Division
GENERAL DRUG COMPANY
125 Barclay St., New York 7, N. Y.
8 S. CLINTON ST., CHICAGO 6 1019 ELLIOTT ST., W. WINDSOR, ONT.

Oil, wintergreen, natural, North, cns..lb. 5.50 - 7.00
South, cns.....lb. 3.65 - 4.25
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormwood, cns.....lb. 9.75 -10.00
Wormwood, cns.....lb. 4.50 - 5.50
Ylang-ylang, Bourbon, extra, bots..lb.21.00 -24.50
First, bots.....lb.18.00 -19.50
Second, bots.....lb.13.50 -14.50
Third, bots.....lb. 8.00 - 9.50
Oleostearin,[1,7] dms., Chicago..lb. .1061- —
Olivine, aggregate, c.l., mines.. ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works..ton. 9.00 - —
paper bgs., c.l., works..ton. 9.50 - —
lumps, paper bgs., c.l., works, ton. 7.00 - —
spalls, paper bgs., c.l., works, ton. 8.00 - —
Opium gum, USP, cns., 50-lb.lots, lb.13.00 - —
25-lb. lots.....lb.13.25 - —
smaller lots.....lb.13.50 -13.80
Prices on powd. and gran. USP opium are $1.50 per pound higher.
Orange, cadmium, selenide, bbls., 100-lb. lots, works..lb. 1.50 - —
Dinitroanilin, toner[1].....lb. 1.05 - —
Molybdate,[1] bbls.....lb. .41 - —
Orthonitroanilin toner,[1] bbls., kgs., works..lb. .90 - 1.05
Persian,[1] bbls.....lb. .30 - .45
Orange mineral, American, bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .12¼- —
Orange mineral, Amer., bbls., 5 tons, dlvd. Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Colo., Mont., N. M., Wyo..lb. .12¼- —
other points.....lb. .12 - —
smaller lots, Ala., etc..lb. .12¼- —
Ariz., etc.....lb. .12¼- —
Colo., Mont., N. M., Wyo..lb. .12 - —
other points.....lb. .12½- —
Orange peel, bitter, Haitian, bgs., lb. .13½- .14
sweet, bls.....lb. .14 - .14½
Oregano, Mexican, curly leaf, bgs..lb. .08½- .09
flat leaf, bgs.....lb. .08½- .09¾
Orris root, Florentine, bls.....lb. .55 - .58
Verona, bls.....lb. No stocks
Portuguese, bls.....lb. .45 - .49
Orthoamylphenol, dms., works..lb. .25 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloranilin, dms.....lb. .60 - —
Orthochlorophenol, dms.....lb. .25 - .27
Orthocresol,[2] 30.4° C., min., M.P., dms., c.l., works..lb. .17½- .18
l.c.l., works.....lb. .18 - .18½
29° C. min., M.P., dms., c.l., works..lb. .16½- .17
l.c.l., works.....lb. .17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies, lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .06½- —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.
Orthonitroanilin, dms.....lb. .43 - .55
Orthonitrobiphenyl, tech., grade A., dms., c.l., works..lb. .10 - —
l.c.l., works.....lb. .11 - —
grade B, dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. .07 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns., lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .82 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange crystals, bbls....lb. .23 - —
Extract, No. 1, bbls.....lb. .11 - —
No. 2, bbls.....lb. .10 - —
Ouabaine, USP, bots.....gram. 3.00 - 4.00
Oxyquinolin sulphate, cns., 100 lbs., works..lb. 3.50 - —
smaller lots, works.....lb. 3.75 - 4.15

P

Papain, powd., cs.....lb. 4.25 - 4.50
Papaverine, natural or synthetic, hydrochloride, NF, cns., 100-oz. lots..oz. 7.00 - —
smaller lots.....oz. 7.05 - 7.85
Paprika,[1] Calif., sweet Caliente, ground, bgs..lb. .40 - .41
Chilean, bgs.....lb. .30½- .36
Portuguese, bgs.....lb. .38 - .42
Spanish, bgs.....lb. .45 - .49½
Para-anisidin, dms., works....lb. .75 - —
Parachlorophenol, dms., c.l., wks. lb. .24 - —
l.c.l., same basis.....lb. .25 - .27
Paracresol, bbls., works.....lb. .41 - —
Paracymene, dms., c.l., works.lb. .1505- —
l.c.l., same basis.....lb. .1645- —
tanks, same basis.....lb. .1545- —
Paradichlorobenzene, dms., c.l., works..lb. .11 - .12
l.c.l., same basis.....lb. .12½- .15
Paraffin,[1] crude scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery..lb. .04¼- —
fully ref'd, slabs, loose, 117-119 ASTM, c.l., refinery..lb. .05 - —
120-122 ASTM, refinery.lb. .0520- —
122-124 ASTM, refinery.lb. .0520- —
126-127 ASTM, refinery.lb. .0560- —
127-129 ASTM, refinery.lb. .0585- —
128-130 ASTM, refinery.lb. .0565- —
130-132 ASTM, refinery.lb. .0615- —
132-134 ASTM, refinery.lb. .0640- —
135-137 ASTM, refinery.lb. .0715- —
140-142 ASTM, refinery.lb. .0810- —
146-148 ASTM, refinery.lb. .1050- —
Prices in bags 4/10c. per lb. higher.
Paraformaldehyde, dms., 1,000 lbs. or more, works..lb. .21 - —
smaller lots, works.....lb. .23 - —
Paraldehyde, tech., 96%, 55 and 110-gal. dms., l.c.l., wks..lb. .12 - —
10-gal. dms., works.....lb. .15 - —
USP, cbys., cns.....lb. .35 - .45
Paranitroanilin, kgs., works...lb. .41 - .43
Paranitrochlorobenzene, kgs., wks. lb. .15 - —
Paranitrophenol, kgs.....lb. .35 - —
Paranitrotoluene, kgs., works..lb. .30 - —
Paraphenylenediamine, tech., kgs. lb. 2.00 - —
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls., works.....lb. .48 - —
Paris green,[1] dealer, distributor, dms., kgs., c.l., works, frt. alld..lb. .20 - .27
l.c.l., same basis.....lb. .22 - .30
Passion flower herb, bls.....lb. .23 - .24
Patchouli leaves, bls.....lb. .34 - .35
Pectin, bbls.....lb. 1.25 - —
Penicillin,[4,6] ampule, per 100,000 unit. .55 - .95
Pennyroyal leaves, bls.....lb. .16 - .19
Pentachlorophenol, dms., works, lb. .20 - .25
Pentaerythritol, CP, bbls., dlvd. lb. .75 - —
smaller containers.....lb. 1.00 - —
tech., bbls., c.l.....lb. .27 - —
l.c.l.....lb. .31 - —
Pentane, 28°-38° C, industrial grade, dms., c.l., Group 3.. gal. .11 - —
l.c.l., dms., Group 3.. gal. .12 - —
industrial grade, tanks, Group 3..gal. .07¼- .07½
laboratory grade, 10-gal. cns., dlvd. E..gal. .55 - —
dms., c.l., Group 3....gal. .16 - —
l.c.l., Group 3.....gal. .20 - —
Pepper, black,[1,7] 15 tons, bgs..lb. .10 - —
50 to 100 bgs.....lb. .1050- —
4 to 24 bgs.....lb. .1100- —
Red, capsicum, Carolina, longs, new crop, bgs., ship't point..lb. No stocks
sports, old crop, bgs...lb. No stocks
Louisiana, sports, bgs...lb. No stocks
long, new crop, bgs., ship't point..lb. No stocks
Chillies, bgs.....lb. No stocks
White,[1,7] bgs., 15 tons.....lb. .1161 Nom.
24 bgs.....lb. .1295 Nom.
Peppermint, dom., USP, bls...lb. .85 - .90
imported, bls.....lb. .90 Nom.
Perchloroethylene, dms., c.l., Zone 1, works, frt. alld..lb. .0782- .0800
Zone 2, same basis.....lb. .0832- .0850
Zone 3, same basis.....lb. .0882- .0900
Zone 4, same basis.....lb. .0876- .0900
l.c.l., Zone 1, same basis..lb. .0832- .0850
Zone 2, same basis.....lb. .0882- .0900
Zone 3, same basis.....lb. .0932- .0950
Zone 4, same basis.....lb. .0926- .0944
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3), Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Peru balsam, dms.....lb. 1.10 - 1.25
Petrolatum, tech., dark, bbls., Group 2, c.l..lb. .021 - —
golden topaz, bbls., c.l.....lb. .023 - —
l.c.l.....lb. .026 - —
red, veterinarian, bbls., c.l.lb. .024 - —
l.c.l.....lb. .028 - —
USP, amber, non-ret. dms., c.l. lb. .03½- —
l.c.l.....lb. .04½- —
extra amber, dms., c.l....lb. .03½- —
l.c.l.....lb. .04½- —
cream, c.l., dms.....lb. .05 - —
l.c.l.....lb. .06½- —
yellow, soft, dms., c.l.....lb. .03½- —
l.c.l.....lb. .04½- —
white, lily, dms., c.l.....lb. .05½- —
l.c.l.....lb. .07½- —
snow, dms., c.l.....lb. .06½- —
l.c.l.....lb. .08 - —
soft, dms., c.l.....lb. .05½- —
l.c.l.....lb. .06½- —
Petroleum, crude, ...ik, at wells, California, heavy grades. bbl. .93 - 1.01
Illinois.....bbl. 1.37 - —
Kentucky, Union County. bbl. 1.32 - 1.37
Louisiana-Arkansas...bbl. .86 - 1.20
Oklahoma-Kansas.....bbl. .85 - 1.25
Pennsylvania.....bbl. 1.31 - 3.00
Texas, Gulf coast.....bbl. 1.06 - 1.86
North, North - Central.. bbl. 1.01 - 1.25
Panhandle.....bbl. 1.10 - 1.22
West.....bbl. .70 - 1.73
Wyoming.....bbl. 1.12 - —
Ether, laboratory grade, 30°-60° C, 10-gal. cns., dlvd., E..gal. .55 - —
30°-60°C., dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .20 - —
35°-60° C., 10-gal., cns., dlvd., E..gal. .55 - —
dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .20 - —
40°-75° C, 10-gal., cns., dlvd., E..gal. .55 - —
dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .20 - —
Fuel oil,[1] furnace, tanks, at refinery, Arkansas, No. 2. gal. .04¼- —
No. 3.....gal. .04 - —
Bayonne, No. 2, tanks, gal. .057 - —
California, heavy....bbl. 1.10 - —
light.....bbl. 1.20 - —
diesel.....gal. .04 - —
range.....gal. .05 - —
Group 3, No. 1.....gal. .04¾- —
No. 2, straw.....gal. .04¼- —
No. 3.....gal. .04 - —
range.....gal. .04 - .04½
Kansas, No. 6.....bbl. 1.02 - —

For Fat-Splitting by the TWITCHELL PROCESS

NEO-KONTAKT SPECIAL and LIQUID KONTAKT ARE BACK

Neo-Kontakt Special, the purest form of the Twitchell Reagents, is recommended for the splitting of prime fats where the highest retention of original color, the lowest unsap, and a rapid hydrolysis are sought.

Either Liquid Kontakt or Neo-Kontakt Special can be used to provide high quality fatty acid for the soap kettle in the manufacture of soaps by the continuous process.

For complete information on the Twitchell process and for data on the construction of a fat-splitting department write Emery Industries, Inc.

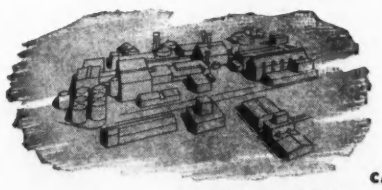
For fast economical splitting of low grade fats use Kontakt DP (acid or neutral). For example:

TYPICAL RUN ON ACIDIFIED BLACK GREASE

Analysis—F. F. A. . . . 60% Total F. F. A. . . . 94.80%
Neutral Fat 36% Unsaponifiable 4.0%

First Boil—2½% Kontakt DP...1% 60° H_2SO_4...40% H_2O
20 hours...85.5% F. F. A. 90.2% Absolute Decomposition

Second Boil—½% 60° H_2SO_4.. 15% H_2O
14 hours...91.86% F. F. A. 96.5% Absolute Decomposition



EMERY INDUSTRIES, INC.
CAREW TOWER • CINCINNATI 2, OHIO

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187 Perry Street, LOWELL, MASSACHUSETTS
401 N. Broad Street, PHILADELPHIA 8, PA.

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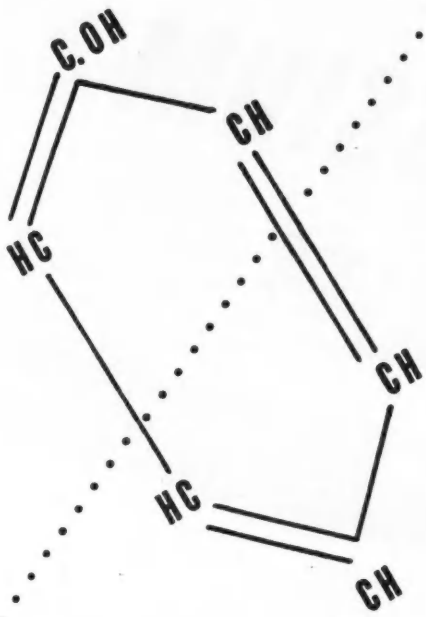

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MONSANTO CHEMICALS
SERVING INDUSTRY...WHICH SERVES MANKIND

Petroleum, fuel oil, furnace, tanks, at refinery, Oklahoma, No. 1, p.w...gal. .04⅝- —
No. 1, straw.....gal. .04¼- —
No. 2, straw.....gal. .04⅝- —
No. 3.....gal. .04 - —
No. 6.....bbl. .90 - .97
range .....gal. .04½- —
Pennsylvania, No. 1.. gal. .06925- .0706
No. 2.....gal. .06375- .0675
No. 3.....gal. .06375- .0675
36-40 gravity.....gal. .0625- .0675
bunker C (No. 6), tanks, Albany, N. Y..bbl. 1.71 - —
Baltimore, Md.....bbl. 1.51 - —
Boston, Mass.....bbl. 1.535 - —
Charleston, S. C.....bbl. 1.42 - —
Fall River, Mass.....bbl. 1.525 - —
Jacksonville, Fla.....bbl. 1.42 - —
New Haven, Conn.....bbl. 1.525 - —
New York, N. Y.....bbl. 1.51 - —
Norfolk, Va.....bbl. 1.47 - —
Philadelphia, Pa.....bbl. 1.51 - —
Portland, Me.....bbl. 1.535 - —
Portsmouth, N. H.....bbl. 1.555 - —
Providence, R. I.....bbl. 1.525 - —
Savannah, Ga.....bbl. 1.42 - —
Tiverton, R. I.....bbl. 1.525 - —
Wilmington, N. C.....bbl. 1.42 - —
Lacquer diluent, California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles..gal. .11 - —
Fort Wells, Wash.....gal. .12 - —
San Francisco.....gal. .11½- —
Willbridge, Ore.....gal. .12 - —
East coast, N. J., N. Y., tanks, refinery..gal. .11¼- —
Group 3, benzol type, tanks. gal. .07¾- —
toluol type, tanks.....gal. .07¾- —

Petroleum, mineral spirits, California, San Francisco, 168-252 b.r., tanks..gal. .10¼- —
198-200 b.r., tanks...gal. .10¼- —
246-397 b.r., tanks...gal. .10⅛- —
312-406 b.r., tanks...gal. .09 - —
362-458 b.r., tanks...gal. .09 - —
East coast, N. J., N. Y., tanks, refinery..gal. .10 - —
Group 3, tanks, refinery.gal. .06⅛- .06⅛
Gulf coast, tanks.....gal. .06⅛- —
tankwagons, Baltimore...gal. .1240- —
Boston .....gal. .12 - —
Bridgeport, Conn.....gal. .1480- —
Buffalo .....gal. .1240- —
Camden, N. J.....gal. .11 - —
Chicago .....gal. .1150- —
Detroit .....gal. .1380- —
Hartford .....gal. .1430- —
Kansas City, Mo.....gal. .1280- —
Lancaster, Pa.....gal. .12 - —
Milwaukee .....gal. .1240- —
Minneapolis .....gal. .1220- —
Newark .....gal. .11 - —
New York.....gal. .11 - —
Philadelphia .....gal. .11 - —
Pittsburgh .....gal. .125 - —
Providence .....gal. .13 - —
Rochester .....gal. .1320- —
St. Louis.....gal. .1370- —
Syracuse .....gal. .14 - —
Washington, D. C.....gal. .135 - —
Wilmington, Del.....gal. .11 - —
Naphtha, cleaners, California, tanks, San Francisco..gal. .12 - —
East coast, N. J., N. Y., tanks, refinery..gal. .11 - —
Group 3, tanks, refinery, gal. .07¼- .07⅛

Petroleum, naphtha, cleaners, tankwagon, Newark..gal. .12 - —
Bridgeport .....gal. .1730- —
Chicago .....gal. .1380- —
Detroit .....gal. .15 - —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
New York.....gal. .12 - —
Philadelphia .....gal. .125 - —
St. Louis.....gal. .1470- —
high-solvency, No. 8, tanks, frt. alld. Kansas City E. gal. .225 - —
No. 30, tanks, same basis. gal. .220 - —
No. 40, tanks, same basis. gal. .220 - —
No. A-80, tanks, Carteret, N. J..gal. .21½- —
Chicago, Cincinnati, Detroit..gal. .23 - —
No. B-90, tanks, all shipping points..gal. .24½- —
No. F-80, tanks, Carteret, N. J..gal. .23 - —
V.M.&P. at refinery, California, 46.5 254 i.p.b., 380 e.p., tanks, El Segundo..gal. .11 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-77, 190 i.b.p., 310 e.p., Los Angeles.....gal. .10 - —
San Francisco....gal. .10½- —
Portland, Seattle..gal. .11 - —
Group 3, tanks.....lb. .07⅛- .07⅛
Gulf Coast (dlvd. New Orleans), tanks..gal. .06½- —

Petroleum, naphtha, V.M.&P., tankwagon, Boston..gal. .13 - —
Chicago .....gal. .1380- —
Detroit .....gal. .15 - —
Milwaukee .....gal. .1540- —
Minneapolis .....gal. .1520- —
Newark (200 gals.).....gal. .125 - —
New York.....gal. .12 - —
Philadelphia .....gal. .125 - —
Pittsburgh .....gal. .12½- —
St. Louis.....gal. .1470- —
Solvent, rubber, at refinery, California, San Francisco. gal. .25½- —
East Coast, N. J., N. Y., tanks..gal. .11 - —
Group 3, tanks.....gal. .07½- .07⅛
Stoddard (CS 8-33), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, N. J., N. Y. tanks..gal. .10 - —
Group 8, tanks.....gal. .06⅝- —
Pennsylvania, western, tanks..gal. .07½- .07⅛
tankwagon, Baltimore...gal. .13 - —
Boston .....gal. .12 - —
Chicago .....gal. .13½- —
Detroit .....gal. .1580- —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
Newark .....gal. .11 - —
New York.....gal. .11 - —
Philadelphia .....gal. .11 - —
Pittsburgh .....gal. .12½- —
St. Louis.....gal. .1370- —
Syracuse .....gal. .14 - —
Toluol, tanks, dlvd. E....gal. .27 - —
Xylol, tanks, dlvd. E....gal. .26 - —
Sulphonates, 65% sulphonic content, ret. dms., c.l., works.lb. .09¾- —
l.c.l., works.....lb. .09¾- .10⅝
tanks, works.....lb. .09¼- —
50% sulphonic content, ret. dms., c.l., works..lb. .09¾- —
l.c.l., works.....lb. .09¾- .10⅝
tanks, works.....lb. .09¼- —
Phenobarbital, cns.....lb. 3.60 - 3.70
dms., 100 lbs.....lb. 3.50 - —
Phenol, 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald., lb. .10 - —
l.c.l., same basis.....lb. .10¾- —
tanks, same basis.....lb. .09 - —
82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .09¾- .10¼
l.c.l., same basis.....lb. .10½- —
tanks, same basis.....lb. .08¾- .09¼
USP, dms., c.l., same basis..lb. .10½- —
l.c.l., same basis.....lb. .11¼- —
tanks, same basis.....lb. .09¼- —
Phenolphthalein, USP, bbls., dms., 2,000 lbs..lb. .85 - —
smaller lots.....lb. .87 - .93
Yellow, fib. dms., 2,000 lbs..lb. .80 - —
smaller lots.....lb. .82 - .87
Phenothiazin, NF, fib. dms., 2,000 lbs..lb. .49 - —
smaller lots.....lb. .54 - —
Phenylacetaldehyde, solut., 50%, bots..lb. 2.45 - 2.50
100%. bots.....lb. 4.00 - 5.00
Phenylethyl acetate, dms.....lb. 1.65 - 2.70
Phenylethylphenyl acetate, bots., lb. 4.75 - 4.80
Phenylhydrazin, base, CP, bots.lb. 4.55 - —
Hydrochloride, CP, bots., works, lb. 7.10 - —
commercial, kgs., works...lb. 1.75 - —
Phloroglucinol, CP., fib., dms..lb.13.75 -14.75
tech., fib. dms.....lb.12.00 -12.50
Phosgene, ton lots, works....lb. .19 - —
Phosphate, defluorinated (see under D).
Phosphate rock,[1] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-66% b.p.l., bulk, car at mine, c.l..... long ton. 2.20 - —
70%-68%, same basis.. long ton. 2.60 - —
72%-70%, b.p.l., same basis..long ton. 3.20 - —
75%-74%, b.p.l., same basis..long ton. 4.20 - —
77%-76%, b.p.l., same basis..long ton. 5.20 - —
entirely pebble, 50c. per ton higher than above prices.
finely ground, 65.5% b.p.l., 30% P_2O_5 minimum.... short ton. 3.15 - —
68%, basis 31% P_2O_5 minimum..short ton. 3.35 - —
70%, basis 32% P_2O_5 minimum..short ton. 3.70 - —
Tenn., brown, unground, run-of-mine, 70-68% b.p.l., 5% i. & a., same basis..long ton. 5.30 - —
72%-70% b.p.l., 5½% i. & a., same basis.long ton. 5.80 - —
refinery, ground, 29% P_2O_5, same basis..long ton. 4.95 - —
30%, P_2O_5, same basis.... long ton. 5.15 - —
31%, P_2O_5, same basis.... short ton. 5.25 - —
32%, P_2O_5, same basis.... short ton. 5.50 - —
33%, P_2O_5, same basis.... short ton. 6.00 - —
Phosphorus, red, amorphous, cs. lb. .40 - .44
tins, export.....lb. .55 - —
yellow, cns.....lb. .23 - .28
dms., c.l.....lb. .14½- —
Oxychloride, dms., c.l.....lb. .10½- —
l.c.l., dms.....lb. .12¾- .15
Pentoxide, dms., c.l., works.lb. .11 - .12
l.c.l., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, dms., c.l.....lb. .10½- —
l.c.l.....lb. .12¾- .15
Phthalamide, bbls., works.....lb. .35 - .40
kgs., works.....lb. .45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. alld. E. of Denver..lb. .13 - —
l.c.l., same basis.....lb. .14 - —
Pichi leaves, bgs.....lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots.....oz. 3.00 - —
Pilocarpine hydrochloride, USP, bots., vls..oz. 3.75 - 5.10
Nitrate, bots., vls.....oz. 3.65 - 5.00
Pimento,[1] Jamaica, bgs.....lb. .24 - .24½
Pinetar, retort, dms., incl., c.l., works..gal. .31 - —
l.c.l., works, dms. incl..gal. .32 - —
tanks, dlvd. E.....gal. .27 - —
Pinkroot, bls.....lb. 1.10 - 1.15
Piperazine hexahydrate, bots..lb.16.00 - —
Pitch, burgundy (see 25).
Coaltar, 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l., works.....ton.22.00 - —
Cottonseed, dms., works.....lb. .04 - .06
Hardwood, paper bgs., works.lb. .05½- —
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms.....100 lbs. 6.50 - —
stands, 200 lbs.....stand. 6.00 - —
Soybean, dms., works.....lb. .04 - .06
Plaster of paris (see Gypsum).
Podophyllin, dms.....lb. 8.75 - 9.00
Pokeroot, bls.....lb. .19 - .20

industry needed it*...

B&A met the demand

POTASSIUM NITRITE KNO_2

Commercially Available in Tonnage Quantities

*THE STORY BEHIND POTASSIUM NITRITE

The war was at its peak; the need, urgent. Key production hinged on having the laboratory chemical, Potassium Nitrite, in tonnage lots.

"It has never been made commercially. Can Baker & Adamson do it?" the customer asked. *B&A* accepted the challenge, placing the problem in the hands of its research and production experts. *The result:* For nearly a year *B&A* has been in full production on this new industrial chemical, meeting the customers' schedules, ton after ton, without fail!

Another example of B&A's ability to produce "custom made" chemicals on order for industry. Another example of the organization and facilities at your disposal when you bring your "special chemical" requirements to Baker & Adamson.

NOW Baker & Adamson brings Potassium Nitrite to American Industry in *commercial* quantities . . . once again meeting the demand to produce laboratory chemicals in tonnage lots!

Today for the first time this salt, with its invaluable properties as a heat-transfer medium, becomes available for large-scale industrial use . . . opening the way to a score of potential applications.

The special characteristics of this new *B&A* industrial chemical may provide the answer to your research or production problems. Investigate *now!* Baker & Adamson will be pleased to send you pertinent data and experimental samples—without any obligation—upon request to the nearest Sales & Technical Service Office below.

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In Wisconsin: General Chemical Wisconsin Corporation, Milwaukee, Wis.

In Canada: The Nichols Chemical Company, Limited • Montreal • Toronto • Vancouver

Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld. lb. .33 - —
20,000 lbs., frt. alld.....lb. .33 - —
smaller lots, frt. alld....lb. .34 - .36
Water-clear, polystyrene, 7c. per lb. less than plain colors.
Pomegranate, root bark, bgs...lb. .75 - .76
Poppy flowers, bls.....lb. .60 - .70
Seed, Danish, bgs.....lb. .33 - .33½
Dutch .....lb. .39½- .40
Indian, white, bgs.....lb. No stocks
Swedish, bgs.....lb. .37 - .37½
Potash abietate.....lb. .06 - —
Arsenate, USP, solut., cbys., cns. .....lb. .31 - .33
Arsenite, USP, solut., cbys., djns..lb. .13 - .15
Bicarbonate, USP, cryst., gran., bbls., dms..lb. .10 - .21
Bichromate,[1] bgs., c.l., works. lb. .10 - —
l.c.l., works.....lb. .10½- .10¾
Potash bichromate in bbls. ½c. higher.
Borate, gran., bbls., N. Y. or Chi..lb. .1015- —
Bromide, USP, gran., 500-lb. bbls., dms..lb. .25 - —
100-lb. kgs.....lb. .26 - —
Carbonate, cal., bbls., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
dms., l.c.l., same basis..lb. .05¾- —
USP, gran., bbls., dms....lb. .14 - .20
powd., bbls., dms.....lbs. .19 - .21
Caustic, low-chloride, 90% basis, flake, dms., c.l., works..... 100 lbs. 9.31 - —
l.c.l., works....100 lbs. 9.63½- —
90% basis, liquid, dms., c.l., works..100 lbs. 6.56 - —
l.c.l., works....100 lbs. 8.63½- —
tanks, works.....100 lbs. 8.06 - —
solid, dms., c.l., works..
l.c.l., works....100 lbs. 8.93½- —
regular, flake, 88-92%, dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07¼- .07½
liquid, 45% basis, dms., c.l., works, frt. alld..lb. .03½- —
l.c.l., same basis....lb. .03¾- .03½
tanks, same basis....lb. .02⅞- —
solid, 88-92%, dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
Chromate, bgs.....lb. .24 - .28
Chlorate,[1] cryst., kgs., c.l., works..lb. .11 - .11¾
l.c.l., works.....lb. .119 - .13
powd., dms., kgs., c.l., works. lb. .09¾- —
l.c.l., works.....lb. .119 - .13
export, 1 to 10 tons, kgs., ex whse..lb. .16 - .18
Chloride, tech., cryst., 98%, bgs.. kgs..lb. .08 Nom.
Citrate, USP, gran., bbls., dms., lb. .33½- .33½
powd., 3c. per lb. higher.
Cyanide, dms., works.....lb. .55 - —
Fluoride, bbls.....lb. .34 - .40
Glycerophosphate, 75% sol., cns., cbys..lb. 1.65 - 1.67
dms., 1,000-lb. lots.....lb. 1.50 - —
100-lb. lots.....lb. 1.60 - —
Guaiacolsulphonate, NF, dms.lb. 1.65 - 1.85
Hydroxide, USP, sticks, dms.lb. .34 - .36
Hypophosphite, cns.....lb. .72 - .78
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots., cns.....lb. 1.44 - 1.48
dms. .....lb. 1.35 - 1.38
Manure Salt, 22%, K_2O, Carlsbad, N. M..unit-ton. .20 - —
25% K_2O, same basis..... unit-ton. .21 - —
Metabisulphite, gran., bbls...lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate, dom., 60-62-63%, K_2O, bulk, ex vessel, ports..... unit-ton. .53½- —
granular, 50 - 52% K_2O.... unit-ton. .53½- —

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific coast ports.

Nitrate (see Saltpeter).
Oxalate, neutral pure, gran., bbls., dms..lb. .37 - .50
tech. fine gran., bbls., dms. lb. .28 - .31
Perchlorate, kgs., works....lb. .09¾- .11
Permanganate, tech., dms., works..lb. .19¾- .20¼
USP, dms., works.....lb. .20½- .21
Persulphate, dms., c.l., works, lb. .16 - —
l.c.l., same basis.....lb. .20 - —
Prussiate, red, kgs.....lb. .50 - .53
Yellow, bbls.....lb. .16 - .17
Ricinoleate, tech., bbls.....lb. .18 - —
Potash silicate, glass, bgs., c.l., works..ton.200.00 - —
l.c.l. .....100 lbs.15.25 - —
solution, 29° Be, ret. drums, c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works. 100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., works. 100 lbs. 4.75 - —
l.c.l., 5 or more, works. 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate, NF, gran.....lb. .14 - .20
powd., bbls.....lb. .15 - .21
tech., dom., bulk,[6] basis 90-95% K_2SO_4, min. 90% ex vessel, Atl. or Gulf ports.. ton.36.25 - —
Sulphocyanide, NF, dms.....lb. .70 - .75
Thiocyanate, bbls.....lb. .62 - .65
kgs. .....lb. .70 - .75
Xanthate, dms., c.l.....lb. .12 - —
Potash-gold cyanide, 41% gold, bots., works..oz.14.20 -14.95
Potash-magnesia sulphate, bulk,[6] min., 40% K_2SO_4, 18.56% MgO, ex vessel, ports...ton.26.00 - —
Potash-soda ferricyanide, kgs., works..lb. .40 - .43
Potash-titanium oxalate, bbls., dms..lb. .45 - .50
Prickly ash bark, bls.....lb. .23 - .25
Berries, bgs.....lb. .20 - .21
Prince's pine herb, bls.....lb. .60 - .61
Procaine hydrochloride, cns., 100-lb. lots..lb. 4.00 - —
smaller lots.....lb. 4.25 - 4.75
Propane,[1] industrial grade, tanks, Group 3..gal. .03¾- —
Propyleneglycol, dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —

Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .65 - .68
Pumice,[1] grd., fine, bgs., ton lots. lb. .03¾- —
smaller lots.....lb. .03¾- .04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .03¾- —
smaller lots.....lb. .03½- .04¼
Chl., ton lots.....lb. .04½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs.....lb. No stocks
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum,[1] concentrate, dewaxed, 20% for aerosol bombs, dms., works.....lb. 9.25 - 9.50
liquid (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., regular base, works..gal. 7.15 - —
odorless base, dms., works, gal. 7.25 - —
(30 to 1), basis 3 grams pyrethrins per 100 cc., bbls., works..gal.10.65 - —
Flowers, fine-grd., 0.9% pyrethrins, bbls., works..lb. .33¾- —
powder, 0.5% pyrethrins, bbls., works..lb. .25 - —
Pyridin, denaturing, ret. dms., works, frt. equald..gal. 1.54 - 1.65
refd., 2°, ret. dms., same basis. lb. .45 - .45½
tanks, works.....lb. .4175- —
Pyrites, Spanish, c.l.f. Atl. ports. long ton. 8.00 -10.00
Pyrocatechin (see Catechol).

Pyrophyllite, standard, 200 mesh, c.l., bulk, mines..ton.10.00 -11.50
325 mesh, same basis....ton.13.00 -13.90
No. 3, 200 mesh, c.l., mines..ton. 9.50 - —
325 mesh, same basis.....ton.11.50 - —
Pyrophyllite in paper bgs., $1.50 per ton extra.
Pyroxylin, scrap, opaque, amber, cs., works..lb. .17 - —
black, cs., works.....lb. .17 - —
China, white ivory, cs., works..lb. .17 - —
dense, white, cs., works.lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed, mottled, cs., wks.lb. .14 - —
translucent pastels, cs., works..lb. .17 - —
transparent, cs., works.....lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works..lb. .17 - —
mixed colors, cs., works...lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .08 - .09
Quebracho extract,[1] solid, 65%, bgs., c.l., ex dock, in bond, based on ocean freight, $12; insurance $1 per ton. Any difference for buyers account..lb. .05½- .05½
clarified, 64%, bgs., c.l., same basis..lb. .05½- .06¾
dissolved, 35%, tan., bbls., works..lb. .04575- .0625
tanks, works.....lb. .04075- —
ground, 70%, bgs., c.l.....lb. .069 - —
l.c.l., bgs.....lb. .0915- —
Queen of the meadow root, bgs. lb. 11 - 12
Quercitron, crystals, bbls.....lb. .28 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .09 - —
solid, bxs.....lb. .18½- —
Quicksilver, flasks (76 lbs. net).. flask.102.00 -107.00
Quince seed, bgs.....lb. 1.80 - 1.90
Quinidine,[6] NF V, cryst., cns.oz. No stocks
powd., precip., cns.....oz. No stocks
Sulphate, USP, cns.....oz. No stocks
Quinine,[6] NF, cns., 100 ozs...oz. No stocks
Acetate, cns., 100 ozs.....oz. No stocks
Arsenate, cns., 100 ozs.....oz. No stocks
Arsenite, cns., 100 ozs.....oz. No stocks
Bisulphate, USP, cns., 100 ozs. oz. No stocks
Dihydrobromide, bots., 50 ozs.. oz. No stocks
Citrate, cns., 100 ozs.....oz. No stocks
Ethylcarbonate, USP, cns., 100 ozs..oz. No stocks
Ferrocyanide, cns., 100 ozs.. oz. No stocks
Formate, cns., 100 ozs.....oz. No stocks
Glycerophosphate, cns., 100 ozs. oz. No stocks
Hydrochloride, USP, cns., 100 ozs..oz. .80½- —
Hydrochlorosulphate, cns., 100 ozs..oz. No stocks
Hydriodide, cns., 100 ozs..oz. No stocks
Hypophosphite, cns., 100 ozs.oz. No stocks
Phosphate, NF, cns., 100 ozs.. oz. No stocks
Salicylate, NF, cns., 100 ozs.oz. No stocks
Sulphate, USP, cns., 100 ozs.oz. .80½- —
Sulphocarbolate, cns., 100 ozs.. oz. No stocks
Tannate, USP X, cns., 100 ozs. oz. No stocks
Tartrate, cns., 100 ozs.....oz. No stocks
Valerate, NF IV, 100 ozs...oz. No stocks

. . . MADE RIGHT WHEN MADE WITH

PENN SALT

POTASSIUM CHLORATE

In products where quality is important, Penn Salt Potassium Chlorate finds wide acceptance. Every step in the production of Potassium Chlorate from raw material to the finished product is carefully inspected.

YOU GET POTASSIUM CHLORATE OF A UNIFORMLY HIGH QUALITY WHEN YOU BUY FROM PENN SALT!

Besides playing an important part in the manufacture of matches, explosives and pyrotechnics, Potassium Chlorate is essential in the making of paper, dyes and disinfectants. It is extremely active . . . reacts rapidly and completely with other ingredients to produce an excellent fusion.

Write us for further information about Penn Salt Potassium Chlorate

PENNSYLVANIA SALT MANUFACTURING COMPANY
Chemicals
PHILADELPHIA 7, PA. • TACOMA, WASH.

Quinine-urea hydrochloride,[4] USP, cns..oz. No stocks
Quinoline, dms., c.l., works...lb. .34½- .56

R

R salt, dry, bbls.....lb. .65 - —
paste, dms.....lb. .52 - —
Raspberries, dried, bls.....lb. 1.75 - 1.80
Red, alizarin lake, bbls divd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis...lb. 1.10 - 1.90

Prices ½c. per lb. higher divd. Ala., Fla., Ga., La. (Shreveport, 1½c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.) (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph 1.6c. per lb. higher divd. Pacific Coast prices equaled with Chicago divd Denver, Pueblo, Salt Lake City, Wichita.

Cadmium lithopone, deep shade, bbls., E. Rockies...lb. 1.60 - —
light shade, bbls., same basis...lb. .85 - —
medium shades, bbls., same basis...lb. .80 - —

Red cadmium lithopone, all shades, 1c smaller pkgs., 5c. per lb. higher.

Selenide, dark, bbls., works, lb. 2.50 - —
light, same basis.....lb. 2.20 - —

Orange (see Orange).

Carmine, No. 40, dms., 100-lb. lots, works...lb. 4.60 - —
smaller lots, same basis...lb. 4.75 - 5.25
Crocus Martis (see Red, purple oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works....lb. 1.35 - —
Red, firetoner, dom., bbls., works, lb. .85 - —
Firetoner, dom., bbls., works.lb. .85 - —
Indian, dom., pure, bbls., Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼- —
80-85%, bbls., same basis.lb. .09¾- —
imp., English, all shades..lb. .12 - —
Iron oxide, pure, bbls.....lb. 09 - .09¾
reduced, 55% copperas oxide, bbls., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis..lb. .08¾- —
50% copperas oxide, bbls., same basis..lb. .085 - .094
Lacquer, maroon, bbls., wks, lb. 1.25 - —
Lake C toner, alizarin, bbls., works lb. 90 - —
Lithol toner, alizarin, lake, bbls., works..lb. 60 - —
Pink, bbls., works.....lb. 30 - 35
Rose lake, bbls., works...lb. 23 - 25
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.10 - —
Maroon, alizarin lake 25% kgs., works..lb. .40 - —
Cadmium, bbls., works....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb higher.
Mercury oxide, tech., bbls., 10,000 lbs., works..lb. 2.60 - —
smaller lots, works.....lb. 2.62 - —
Metallic, bbls., works.....lb. .62 - —
Oxide (see Red, iron oxide).
Para toner, concent., alizarin lake, kgs., works..lb. .70 - —
Persian (see Orange).
Phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine, Y, kgs., works..lb. 4.15 - —
Purple lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works, lb. Nom
Red, Spanish oxide, grade 1, c.l., obls...lb. .04¾- .07¾
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - —
MNPT maroon toner, kgs., works..lb. 2.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 5%, bbls., wks....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .03¾- —
25%, bbls., works.....lb. .08 - —
30%, bbls., works.....lb. .08¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls.....lb. .35 - .40
Quicksilver, bbls.....lb. 2.50 - 2.65
ded precipitate, NF, powd., fib. dms..lb. 2.77 - 2.79
Red saunders wood grd., bbls.lb. .55 - —
desorcinol, tech., dms., works.lb. .64 - .74
USP, cryst., dms., frt. alld..lb. 1.60 - —
rhatany root, bgs.....lb. .15 - .16
Rhubarb, whole, cs.....lb. .75 - .76
powd., bbls.....lb. .80 - .81
riboflavin, bots.....kilo. 300.00 - —
rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .75 - —
Rochelle salt, gran. powd., bbls., 5,000 lbs., 1 ship't..lb. 28½- —
smaller lots.....lb. .39 - .42
Rose flowers, pale, bls.....lb. .45 - .50
rosemary flowers, bls.....lb. 1.55 - 1.65
Leaves, Portuguese, bls.....lb. .11 - .11½
Spanish, bls.....lb. .13¾- .14½
Rosin, gum,[4,7]—
B, dms., c.l.....100 lbs. 6.65 - —
D, dms., c.l.....100 lbs. 6.75 - —
E, dms., c.l.....100 lbs. 7.25 - —
F, dms., c.l.....100 lbs. 7.35 - —
G, dms., c.l.....100 lbs. 7.42 - —
H, dms., c.l.....100 lbs. 7.44 - —
I, dms., c.l.....100 lbs. 7.44 - —
K, dms., c.l.....100 lbs. 7.45 - —
M, dms., c.l.....100 lbs. 7.50 - —
N, dms., c.l.....100 lbs. 7.66 - —
W.G., dms., c.l.....100 lbs. 7.91 - —
W.W., dms., c.l.....100 lbs. 8.15 - —
X, dms., c.l.....100 lbs. 8.15 - —
Wood,[4,7] B (resin), dms., c.l., works..100 lbs. 3.00 - —
FF, dms., c.l., works.100 lbs. 4.50 - —
G, H, I, dms., c.l., works.. 100 lbs 4.95 - —
K, dms., c.l., works..100 lbs. 5.00 - —
M, dms., c.l., works..100 lbs. 5.05 - —
N, dms., c.l., works..100 lbs. 5.15 - —
WG, dms., c.l., works.100 lbs. 5.25 - —
WW, X, dms., c.l., works... 100 lbs 5.40 - —
Rotenone,[4] bbls., works.....lb. 10.90 -13.80
extract, liq., dms., works.... per unit. 1.05 - —
powder (see Cube root).
Rottenstone,[4] bgs., c.l., mines.. ton. 35.50 - —
l.c.l., mines.....ton. 37.50 - —
Rue, bls.....lb. .40 - .50

S

Sabadilla seed, powd., bbls....lb. .45 - .48
Saccharin,[4] soluble and insoluble, 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots.....lb. 1.40 - 1.60
Saffron, Mexican, bls.....lb. 1.60 - 1.65
Persian, tins.....lb. 48.00 - —
Spanish, NF, tins.....lb. 41.00 -42.00
Safrol, cns.....lb. .90 - .92
Sage, Calif., leucophylla, bgs., Pacific coast..lb. .30 - .31
Dalmatian-type, No. 1, bgs., Pacific coast..lb. .85 - .87
Cyprus, good, bls.....lb. .26 - .26½
fair, bls., futures.....lb. .18½- .19
Greek, bls.....lb. .29 - .29½
Palestine, bls.....lb. .16 - .16½
Spanish, bls.....lb. .15 - .15½
Washington, Dalmatian-type, bls..lb. .41 - .43
Sago flour, bgs.....lb. .05 - .05¾
Salicin, bots., 5 lbs.....lb. No stocks
cns., 25 lbs.....lb. No stocks
Saligenin, dms.....lb. 15.00 -20.00
Salol, gran., bbls., kgs.....lb. .90 - —
fib. dms.....lb. .92 - .93
Powdered salol, 10c. higher.
Salt, rock, bgs., c.l.....ton. 14.20 - —
l.c.l., bgs.....ton. 17.20 -18.00
vacuum, common, fine, bgs., c.l..ton. 15.70 - —
l.c.l. .....ton. 19.00 -23.20
Saltcake, dom., bulk, works..ton. 15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 ton lots..100 lbs. 8.20 - —
smaller lots.....100 lbs. 8.35 - 8.60
powd., bbls., 10-20 ton lots.. 100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots....oz. 3.75 - —
Santonin, cryst., powd., cns. kilo. 170.00-185.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, dom., bls..lb. .35 - .37
Honduras, bls.....lb. .45 - .47
Mexican, bls.....lb. .32 - .33
Sassafras bark, ord., bls.....lb. .40 - .45
select, bls.....lb. .60 - .65
Savory, Calif., bls.....lb. .75 - .76
Spanish, bls.....lb. .22½- .23
Saw palmetto berries, bgs....lb. .20 - .21
Scammony resin, lump, cns...lb. 1.30 - —
powd., cns.....lb. 1.35 - —
Root, bgs.....lb. .09 - .10
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .30¾- —
smaller lots.....lb. .31¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .31¼- —
smaller lots.....lb. .31¾- —
Selenium, pwd., cns., 10 lb. lots.. lb. 1.85 - —
cs., 1,000 lb. lots.....lb. 1.75 - —
Senega root, bls.....lb. 2.45 - 2.50
Senna, Alex., half-leaf, bls....lb. .19 - .22
siftings, bgs.....lb. .18 - .19
Tinnevelly, No. 1, bls.....lb. .17 - .17½
2, bls.....lb. .15 - .15½
3, bls.....lb. .14 - .15
powd., bbls., bgs.....lb. .15 - .17
Pods, bls.....lb. .09 - .10
Pods, bls.....lb. .13 - .14
Shellac,[4] bleached, bonedry, bbls., 1,000-lb. lots..lb. .42½- —
Boston .....lb. .43½- —
Chicago .....lb. .44 - —
Pacific coast.....lb. .46 - —
refined, bbls., 1,500-lb. lot. lb. .48½- —
Boston .....lb. .49½- —
Chicago .....lb. .50 - —
Pacific coast.....lb. .52 - —

Bonedry shellac sales of less than 1,500 lbs., at following additions to maximum prices: (1) packed in bgs., ¾c. per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more.

D. C., V.S.O., Diamond I, 100 bgs..lb. .4660- —
Garnet, 100 bgs.....lb. .3890- —
Superfine, 100 bgs., Boston, N. Y..lb. .3660- —
Chicago .....lb. .3710- —
Pacific coast.....lb. .3960- —
TN, 100 bgs., Boston, N. Y.lb. .3550- —
Chicago .....lb. .3600- —
Pacific coast.....lb. .3805- —

Shellac in cs., 2c. higher. Shellac sales 1 bg or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2½ more; 10 to 99 bgs., cs., 1c. more.

Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works.. ton. 17.00 - —
l.c.l., works.....ton. 20.00 - —
400 mesh, bgs., c.l., works.. ton. 18.00 - —
l.c.l., works.....ton. 19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., works..ton. 18.00 - —
l.c.l., same basis..ton. 21.00 - —
400 mesh, bgs., c.l., works. ton. 30.00 - —
l.c.l., works.....ton. 35.00 -38.00
90%-98%, 325 mesh, bgs., c.l., wks..ton. 20.00 - —
l.c.l., works.....ton. 21.50 -23.00
99%, 325 mesh, bgs., c.l., works..ton. 20.00 - —
l.c.l., works.....ton. 22.00 -25.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works.....ton. 15.50 - —
l.c.l., works.....ton. 18.50 - —
140 mesh, bgs., c.l., works, ton. 11.00 - —
l.c.l., works.....ton. 16.00 - —

MEMO:
TO PLANT OPERATORS

use "Bicarb"—
for faster, simpler, safer caustic removal

Compare!

	step 1	step 2
the "BICARB" way	Add "Bicarb"—caustic completely converted — hot wash safe.	NONE
the ACID way	Add acid—reaction then acid — cold wash.	Add soda ash—reaction alkaline—then wash (hot wash may now be safely used).

TIME WITH "BICARB"
TIME WITH ACID

Mathieson
CHEMICALS
THE MATHIESON ALKALI WORKS (INC.)
60 East 42nd Street, New York 17, N. Y.
Bicarbonate of Soda . . Caustic Soda . . Soda Ash
Liquid Chlorine . . . Chlorine Dioxide . . . Ammonia, Anhydrous & Aqua . . . HTH Products . . . Fused Alkali Products . . . Synthetic Salt Cake . . . Dry Ice . . . Carbonic Gas . . Sodium Chlorite Products . . Sodium Methylate

A MATHIESON DEVELOPMENT

Faster, simpler, safer than acid, bicarbonate of soda effectively removes caustic by changing it into sodium carbonate or soda ash.

Originated and commercially developed by Mathieson Research, this process offers certain definite advantages:

- acid resistant equipment not required.
- hot wash safe.
- production speeded by elimination of additional steps necessitated by acid process.
- careful chemical control unnecessary.
- no health or other hazards involved.

These advantages, plus new ones stemming from intensive research, may hold important meaning for you—may bring to light possibilities you haven't thought of.

While complete details for the utilization of this process have been evolved specifically for textiles, Mathieson Research is prepared to carry out further assignments in other fields.

For best results, consult our Technical Staff in regard to adapting this new Mathieson development to your particular operations. Write for further information.

Silicon tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .18¾- .27
Silver bullion.....oz. .71111- —
Cyanide, cns., 100 ozs.....oz. .41½- —
Nitrate, cns., 100 ozs., bots., 2,500-oz. lots..oz. .47 - —
1,000-oz. lots.....oz. .47¾- —
smaller lots.....oz. .47½- .47¾
Neucleinate, USP, bots., dms..oz. .308 - .358
Proteinate, USP, bots., dms.oz. .288 - .338
Simarubra bark, bls.....lb. .55 - .60
Skullcap, Eastern, bls.....lb. .60 - .65
Skunk cabbage root, bls.....lb. .25 - .30
Slate flour, bgs., c.l., works.ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00
Sloe berries, bgs.....lb. .40 - .41
Smalt, black, ctns.....lb. .05 - .06
Blue, ctns.....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .80 - .85
Soapbark, bls.....lb. .29 - .30
crushed, bls., bbls.....lb. .34 - .35
cut, dom., bls., bbls.....lb. .34 - .35
imp., bbls.....lb. No stocks
powd., bbls.....lb. .32 - .33
Soda acetate, anhyd., dms., divd. lb. .08½- .10
NF, cryst., bbls., kgs.....lb. .14 - .16
tech., 60%, l.c.l., divd.....lb. .05½- .06
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.60
Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.. 100 lbs. 7.00 - —
l.c.l. .....100 lbs. 7.50 - 8.00
Antimoniate, bbls., divd.....lb. .16 - .16½
Arsenate, dms., dealers, c.l., works..lb. .09½- —
l.c.l., works.....lb. .10¾- .11¼
gray, dms., dealers, c.l., works..lb. .08¼- —
l.c.l., works.....lb. .09 - .10

Soda arsenite, gray, ¾c. higher in Chi.; 2c. higher in Houston, Tex., and Palo Alto, Calif.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., divd., zone 1.... 100 lbs. 2.18 - —
2 .....100 lbs. 2.33 - —
3 .....100 lbs. 2.58 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., wrks, Zone 1.. 100 lbs. 1.35 - —
l.c.l., zone 1.....100 lbs. 1.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra light, 58%, bgs., c.l.. 100 lbs. 1.18 - —
l.c.l., divd., zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.45 - —
l.c.l., divd., zone 1..... 100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works.. 100 lbs. 1.05 - 1.18
l.c.l., divd., zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works...100 lbs. 1.86 - —
l.c.l., divd., zone 1..... 100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash sales zones are:—(1) All States E. of Miss. R. and N. of south bound. of Ky and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 93° Gtn.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 93°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons or more.lb. .46 - —
smaller lots.....lb. .47 - .52
Bicarbonate, tech., bgs., c.l., works..100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.90 - —
USP, gran., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l. .....100 lbs. 2.45 - —
Bichromate,[1] bgs., c.l., works. lb. .07¾- —
l.c.l., works.....lb. .07¾- .08¼

Soda bichromate, in bbls., ¼c. higher.

Bifluoride, bbls., c.l., frt. alld. E..lb. .11½- —
l.c.l., same basis.....lb. .12 - .14
kgs., same basis.....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solut., 32°, bbls., c.l., works, 100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30°, bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.60 - —
35°, bbls., c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., c.l., works.100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. .25 - —
fiber dms., 100 lbs., works, lb. .26 - —
Cacodylate, bots., dms.....lb. 8.50 -10.50
Carbonate (see Soda ash, Soda monohydrate Soda sal).
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1, divd.100 lbs. 3.55 - —
2, divd.....100 lbs. 3.70 - 5.05
3, divd.....100 lbs. 3.95 - 5.30
4, divd.....100 lbs. 4.35 - 5.70
liquid, 47-49%, buyer's tanks, works..100 lbs. 1.92½- —
seller's tanks, works, 100 lbs. 1.95 - —
70%, buyer's tanks, works, 100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —

Soda caustic, solid, 76%, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., zone 1, divd..100 lbs. 3.15 - —
2, divd.....100 lbs. 3.30 - —
3, divd.....100 lbs. 3.55 - —
4, divd.....100 lbs. 3.95 - —

Caustic soda zones are same as soda ash.

Chlorate, cryst., kgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., kgs., c.l., works....lb. .06½- —
l.c.l., works.....lb. .07 - .08¼

Chloride (see Salt).

Chromate,[1] bbls., cks., c.l., works, frt. equald..lb. .09¼- —
l.c.l., works, frt. equal..lb. .09½- .09¾

Soda chromate in bgs. is ½c. less.

Citrate, USP VIII, bbls.....lb. .18½- —
dms. .....lb. .19½- .22½
USP XII, gran., bbls.....lb. .24 - —
dms. .....lb. .25 - .29
powd., bbls.....lb. .24½- —
dms. .....lb. .25½- .29½
Cyanide, 96-98%, dms.....lb. .14½- .15
Diacetate, 33-35% acidity, bbls., divd..lb. .09½- .10½
anhydrous, dms., divd.....lb. .12½- —
Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
95%, bbls., c.l., works...lb. .07¼- —
l.c.l., works.....lb. .08¼- —

Soda fluoride prices at Los Angeles are f.a.s. works.

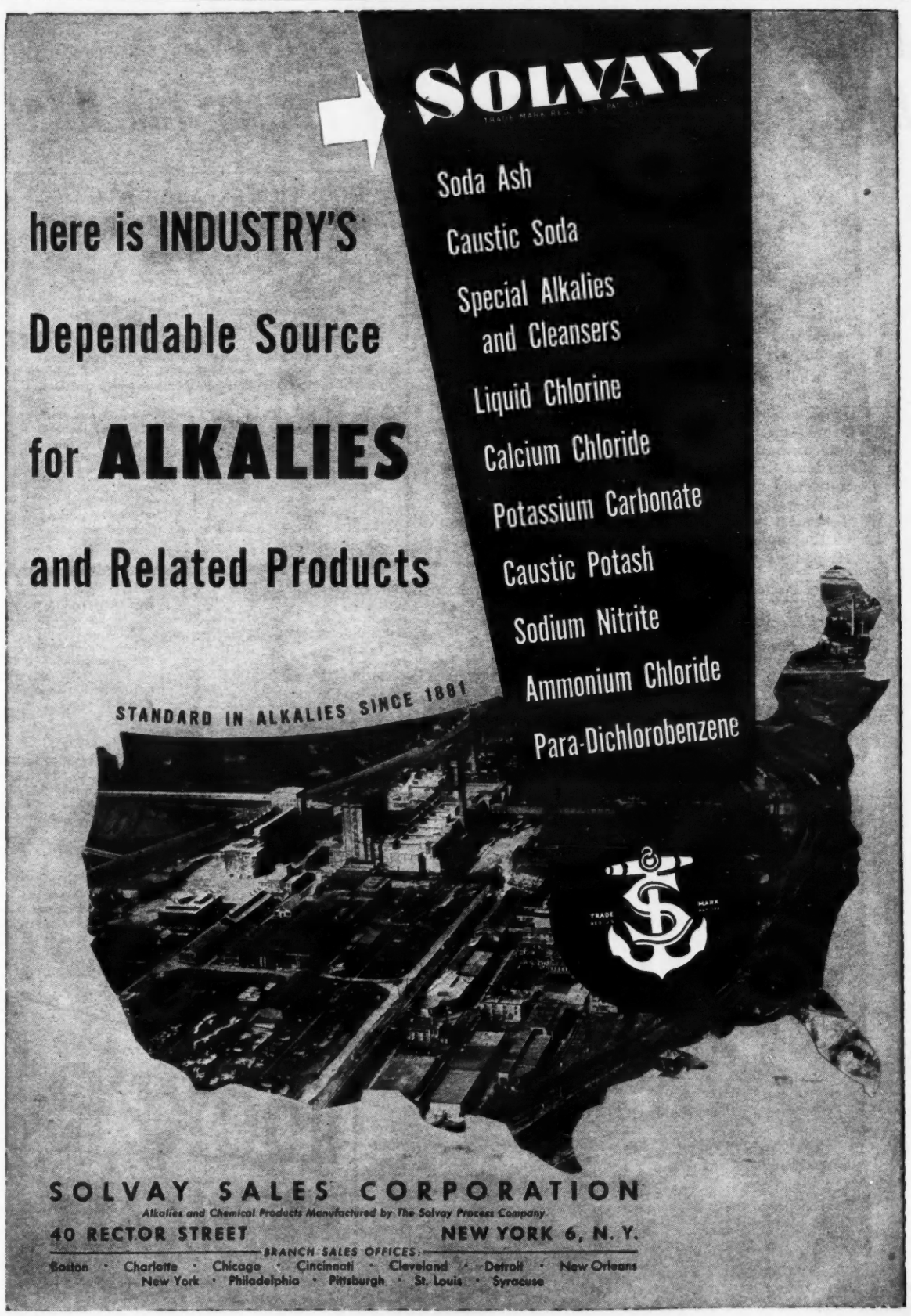
Formate, bgs., c.l., works...lb. .0655- —
l.c.l., works.....lb. .068 - —
Glutamate, monobasic, kgs..lb. 1.04 - 1.06
Glycerophosphate, NF, crys., bbls..100 lbs. 1.25 - —
dms. .....lb. 1.40 - —
powder, 5c. higher.
solution, 50%, cbys., cns...lb. .82 - .90

Soda, hydrosulphite, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .18 - —
Hydroxide, USP, sticks, dms.lb. tech. (see Soda caustic). .24 - .25
Hypophosphite, NF, cns.....lb. .67 - .70
Hyposulphite, crys., bgs., c.l., works, frt. equald..100 lbs. 2.25 - —
l.c.l., same basis...100 lbs. 2.50 - —
pea, cryst., bgs., c.l., works.. 100 lbs. 2.60 - —

Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, dms., 50c. higher.

USP, cryst., bbls.....lb. .10 - .12
Iodate, dms., jars.....lb. 5.40 - 5.48
Iodide, bots.....lb. 2.53 - 2.57
dms., jars.....lb. 2.42 - —
Mandelate, dms.....lb. 3.25 - 3.35
Metaborate, gran., bbls., c.l., divd..lb. .0485- —
l.c.l., N. Y., or Chi....lb. .051 - —
bgs., c.l., divd.....lb. .0435- —
l.c.l., N. Y., or Chi....lb. .046 - —
Metanilate, bgs.....lb. .40 - —
Metasilicate, anhyd., dms., c.l., works, frt. equald.... 100 lbs. 4.00 - —
l.c.l., same basis...100 lbs. 4.90 - 5.20
gran., bbls., c.l., works, frt. equald..100 lbs. 2.50 - —
l.c.l., divd.....100 lbs. 3.30 - 3.55
Methylate, bots., works.....lb. 1.00 - —
cns., works.....lb. .55 - .60
dms., works.....lb. .45 - .60
Molybdate[1], anhyd., kgs., works. lb. .47 - —
Monohydrate, bgs., c.l..100 lbs. 2.90 - —
works .....100 lbs. 2.45 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, dms., 100-lb. bgs., c.l., works..ton.30.05 - —
bulk, c.l., works.....ton.27.00 - —
refd, gran., bbls., 10 tons.. 100 lbs. 3.50 - —
smaller lots.....100 lbs. 3.75 - 4.00

Soda nitrate, imp., 100-lb. bgs., c.l., Atl., Gulf, Pac. whse..ton.33.00 - —
200-lb. bgs., same basis. ton.32.40 - —
bulk, same basis.....ton.30.00 - —
Nitrite, 96-98%, bbls., c.l., works, frt. equald..lb. .06¾- —
west coast ports..100 lbs. 8.00 - 8.05
l.c.l., divd.....100 lbs. 8.90 -11.90
Orthosilicate, anhyd., dms., c.l., works, frt. equald. 100 lbs. 4.50 - —
l.c.l., same basis..100 lbs. 5.45 - 5.80
flake, dms., c.l., works.100 lbs. 3.10 - —
l.c.l., divd.....100 lbs. 4.50 - 4.55
Oxalate, neut., bgs., works..lb. .10 - —
Pantothenate, dextrorotary, 100-gram bots..per gram. .10 - —
Pentachlorophenate, briquete, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16½
l.c.l., works, frt. equald.lb. .17 - —
kgs., l.c.l., works, frt. equald..lb. .19 - —
Perborate, NF, bbls., c.l., wks. lb. .14¾- —
l.c.l., works.....lb. .15½- —
Peroxide, dms., c.l., divd., E. of Miss..lb. .14 - —
smaller lots.....lb. .17 - —
Phosphate, dibasic, tech., anhyd., bgs., c.l., works, 100 lbs. 6.00 - 6.26
l.c.l., works....100 lbs. 6.40 - 6.75
cryst., bgs., c.l., works.. 100 lbs. 2.55 - 2.70
l.c.l., works....100 lbs. 2.95 - 3.45
USP XII, dried, bbls., dms., works..lb. .159 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 7.65 - 9.00



Soda phosphate, tribasic, anhydrous, bgs., c.l., works, frt. equald..100 lbs. 6.00 - 6.05
l.c.l., same basis.100 lbs. 6.50 - 7.00
cryst., bgs., c.l., works....100 lbs. 2.70 - —
l.c.l., same basis..100 lbs. 3.10 - —
kgs., c.l., works...100 lbs. 3.40 - —
l.c.l., works....100 lbs. 3.80 - —
Soda phosphate in bbls. 20c. higher.
USP (see Sodium phosphate, dibasic).
Prussiate, yellow, bgs.....lb. .10¾- —
bbls. .....lb. .11 - —
Pyrophosphate, ferric, dms., 10,000 lbs., works..lb. .22 - —
smaller lots, works.....lb. .22½- —
tetra-basic, anhydrous, bgs., c.l., works, frt. equald..100 lbs. 5.25 - —
l.c.l., same basis.100 lbs. 5.40 - 5.75
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs.....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
bbls. .....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —
Salicylate, dms.....lb. .52 - .54
Sesquicarbonate, bgs., c.l., wks. 100 lbs. 1.50 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., zone 1, dlvd....100 lbs. 2.70 - —
2, dlvd.....100 lbs. 2.85 - —
3, dlvd.....100 lbs. 3.10 - —
4, dlvd.....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.
Sesquisilicate, dms., c.l., works. 100 lbs. 3.05 - —
l.c.l., dlvd.....100 lbs. 4.05 - 4.30
Silicate, 40°, turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., works.....100 lbs. 1.05 - 1.20
tanks, works.....ton.13.00 - —

Soda silicate, 52°, turbid, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - 1.80
tanks, works.....ton.25.00 - —
Silicofluoride, bbls., c.l., works. lb. .06½- .07
l.c.l., works.....lb. .08 - .10
Stannate, dms., works, frt. alld. E..lb. .32½- .36½
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF, dried, powd., bbls..lb. .07 - .07¼
tech., anhyd., bgs., c.l., wks. 100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - 2.20
cryst. (see Glauber's salt).
USP, cryst., gran., bbls....lb. .07 - .10
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., dlvd.....100 lbs. 2.90 - 3.15
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., c.l., works..100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.35 - —
bbls., c.l., works.....100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.55 - —
powd., bbls., c.l., works.... 100 lbs. 5.25 - —
l.c.l., works.....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .33
powd., bbls.....lb. .30 - .35
Sulphocyanide, CP, dms.....lb. .55 - .65
Sulphohydrate, liquid, 88%, dms., c.l., works, 100% basis. lb. .06 - —
l.c.l., works.....lb. .08 - —

Soda sulphohydrate, liquid, 88%, tanks, 100% basis, works. lb. .08¾- —
flake, 70-72%, dms., c.l., works..lb. .04½- —
l.c.l., works.....lb. 05 - —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see Soda hyposulphite).
Tungstate,[1,6] tech., kgs.....lb. 1.35 - 1.50
Soda-cinchophen, bots., dms...lb. 3.75 - 3.85
Soda-formaldehyde sulphoxalate, stand. cont. 125-250 lbs...lb. .19 - .22
Soda-sulphadiazin, USP, dms..lb.10.50 -10.60
Soda-sulphamerazin, dms.....lb.10.50 -10.60
Soda-sulphapyridine, powd., bots., dms..lb. 5.00 - 5.30
Soda-sulphathiazole, USP, dms., lb. 2.50 - 2.80
Solvent naphtha, dms., wks..gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
Minnequa, Colo.....gal. .26 - —
high-flash, dms., works...gal. .32 - —
tanks, frt. alld. E. of Omaha to 2c. per gal..gal. .27 - —
wire enamel, ret. dms., c.l., frt. equalized..gal. .27 - —
l.c.l., same basis....gal. .30 - —
tanks, works.....gal. .22 - —
Soybean meal,[1,7] 41%, bulk, c.l., Decatur..ton.45.00 - —
Protein, alpha, bgs., 40,000 lbs., works..lb. .20 - —
20,000 lbs., works.....lb. .20¼- —
smaller lots, works.....lb. .20½- .24
Sorbitol, com'l, dms., c.l., works, lb. .16¾- —
l.c.l., works.....lb. .17¾- —
Sparteine sulphate, bots., cns..oz. 2.25 - 2.95
Spearmint leaves, bls.....lb. .48 - .49
Spikenard root, bls.....lb. .48 - .49

Spruce extract, liq., reg., bbls., c.l., works..lb. .02½- —
tanks, works.....lb. .01½- —
pwd., super, bgs., c.l., wks.lb. .04½- —
Squaw vine, bls.....lb. .53 - .55
Squill, red, fortified, powd., bbls., bxs..lb. 1.60 - —
White, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .16 - .20
St. Ignatius beans, bgs.....lb. No stocks
St. John's bread, edible, bls...lb. .10¾- .11¼
Starch, corn, pearl, bgs..100 lbs. 4.08 - —
Chicago .....100 lbs. 3.72 - —
powd., bgs.....100 lbs. 4.19 - —
Chicago .....100 lbs. 3.83 - —
Potato, bgs., c.l.....lb. .0637- —
l.c.l. .....lb. .0712- —
Rice, bgs., c.l.....lb. No stocks
Sweetpotato, bgs.....lb. No stocks
Wheat, thick boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. No stocks
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.10 - 1.15
Stramonium leaves, bgs.....lb. .21 - .22
Seed, bgs.....lb. .20 - .21
Strontium bromide, cns., dms.lb. .53 - .55
Carbonate, 90%, bbls.....lb. .14 - .16
98%, bbls.....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
mesh 90%, bbls., works..ton.58.00 - —
Chromate, bbls., kgs., Phila.lb. .35 - .37
Iodide, bots.....lb. 3.06 - 3.15
jars, 25 lbs.....lb. 3.00 - —
Lactate, dms.....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works....lb. .07¾- —
l.c.l., works.....lb. .08¼- .08¾
Oxalate, bbls., works.....lb. .38 - .40
Salicylate, NF, dms.....lb. 1.10 - 1.13
Sulphate, nat., air-floated, 325 mesh 90%, bbls., works..ton.58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.85
Strophanthin, bots.....oz.30.00 -50.00
Strophanthus seed, Kombe, bgs., lb. 2.65 - 2.70
Strychnine, NF, powd., cns., 100 ozs..oz. 1.25 - —
Sulphate, USP, powd., cns., 100 ozs..oz. 1.00 - —
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works..lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazine, USP, dms.....lb. 9.00 - 9.10
Sulphaguanidin, dms.....lb. 4.50 - 4.60
Sulphamerazin, dms.....lb. 9.00 - 9.10
Sulphanilamide, USP, bots....lb. 1.50 - —
fib. dms.....lb. 1.05 - 1.25
Sulphanilamide, 30-60 mesh, 10c. higher.
Sulphapyridin, powd., bots., tins. lb. 5.00 - 5.30
Sulphathiozole, dms.....lb. 2.50 - 2.80
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contract..long ton.16.00 - —
vessels, Gulf ports, contract..long ton.17.50 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 2.00 - 2.11
precipitated, USP, bbls., kgs., lb. .18 - .30
refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.25 - 3.40
heavy, bgs., c.l., works.. 100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.95 - 3.10
light, bgs., c.l., works..100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.05 - 3.20
flowers, USP, bgs., c.l., wks. 100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.40 - 3.55
Refined sulphur flowers in bbls., 35c. higher.
rock, bbls., c.l., works.100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.55 - 2.70
roll, bbls., c.l., works.100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.75 - 2.90
rubbermakers', bgs., c.l., wks. 100 lbs. 1.35 - —
Chloride, 35-gal. dms., c.l., works..lb. .03 - .03½
l.c.l., works.....lb. .04 - .04½
10-gal. dms., c.l., works...lb. .07 - .07½
l.c.l. .....lb. .08 - .08½
Dioxide, liquid, com'l, cyls., c.l., works..lb. .07 - —
l.c.l. .....lb. .08 - —
multi-unit cars, works..lb. .04½- .06
tanks, works.....lb. .04 - —
refrigeration, cyls., l.c.l., works..lb. .16 - .31
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls....lb. .08 - —
No. 2, bbls.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Superphosphate,[1] pulverized, run-of-pile under 22% a.p.a., bulk, production points, Balto..unit-ton. .65 - —
Florida .....unit-ton. .51 - .54
others .....unit-ton. .37 - .84
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88½c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $8.03 per ton; guaranteed 18, 19 or 20% a.p.a., ½c. per unit-ton higher.
triple, 40% or more, a.p.a., bulk, producing points, Florida. unit-ton. .63 - —
South Carolina..unit-ton. .70 - —
Tennessee .....unit-ton. .75 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 48% from E. Tampa, Fla.
Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls.....lb. 1.20 - 1.30

T

Talc,[1] dom., ordinary, grd., bgs., c.l., works..ton.14.50 -24.50
l.c.l., works.....ton.16.50 -30.00
Calif., bgs., c.l., wks.ton.17.50 -43.00
Pennsylvania, bgs., c.l., works..ton.11.00 -13.50
l.c.l., works.....ton.12.00 -14.50
Vermont, bgs., c.l., works. ton.14.00 - —
l.c.l., works.....ton.15.00 - —
fibrous, grd., coarse, off-color, New York, bgs., c.l., works..ton.13.00 - —

As Intermediates or End Products, Hooker Benzoates have the Purity You Want

Whether you are interested in benzoates as intermediates for the preparation of other compounds or in their use as end products, you need chemicals of high purity. Because of their consistently high quality, their freedom from impurities, Hooker Benzoates are first choice among careful buyers. These Hooker products have found use in widely varied fields—as preservatives for foods, cosmetics, and rubber—as intermediates in the manufacture of dyestuffs and medicinals—as ingredients of soaps and perfumes.

In whatever chemical field you are working, you may find a profitable use for one or more of the Hooker Benzoates whose properties are listed below. More complete information on the benzoates as intermediates and preservatives is available in bulletin form. Individual Technical Data Sheets on these important Hooker Chemicals will be sent to those making requests on their business letterheads. Our Technical Staff may also be able to work with you on the application of Hooker Benzoates or the other Hooker Chemicals to your particular needs.

HOOKER RESEARCH *Presents*

BENZOTRIFLUORIDE

$C_6H_5CF_3$

Molecular Weight.....146.1
Freezing Range.....−28.5° to −29.5°C
Boiling Range (ASTM, 98%) . 2.5° including 101°C
Refractive Index, n20/D..... 1.4145±.0005
Specific Gravity, 15.5°/15.5°C 1.197±.001

A study of possible applications indicates that Benzotrifluoride may be of value in several industrial fields: Dyestuffs, dielectrics, medicinals, insecticides or chemical synthesis.
Hooker Benzotrifluoride is a water white liquid with aromatic odor, completely miscible with most common solvents. Thermal stability is excellent and under nitration or chlorination the CF_3 group is strongly meta directing.
Benzotrifluoride is already available in pilot plant quantities. A request on your business letterhead will bring a research sample and technical Data Sheet No. 350, describing physical and chemical properties more completely.

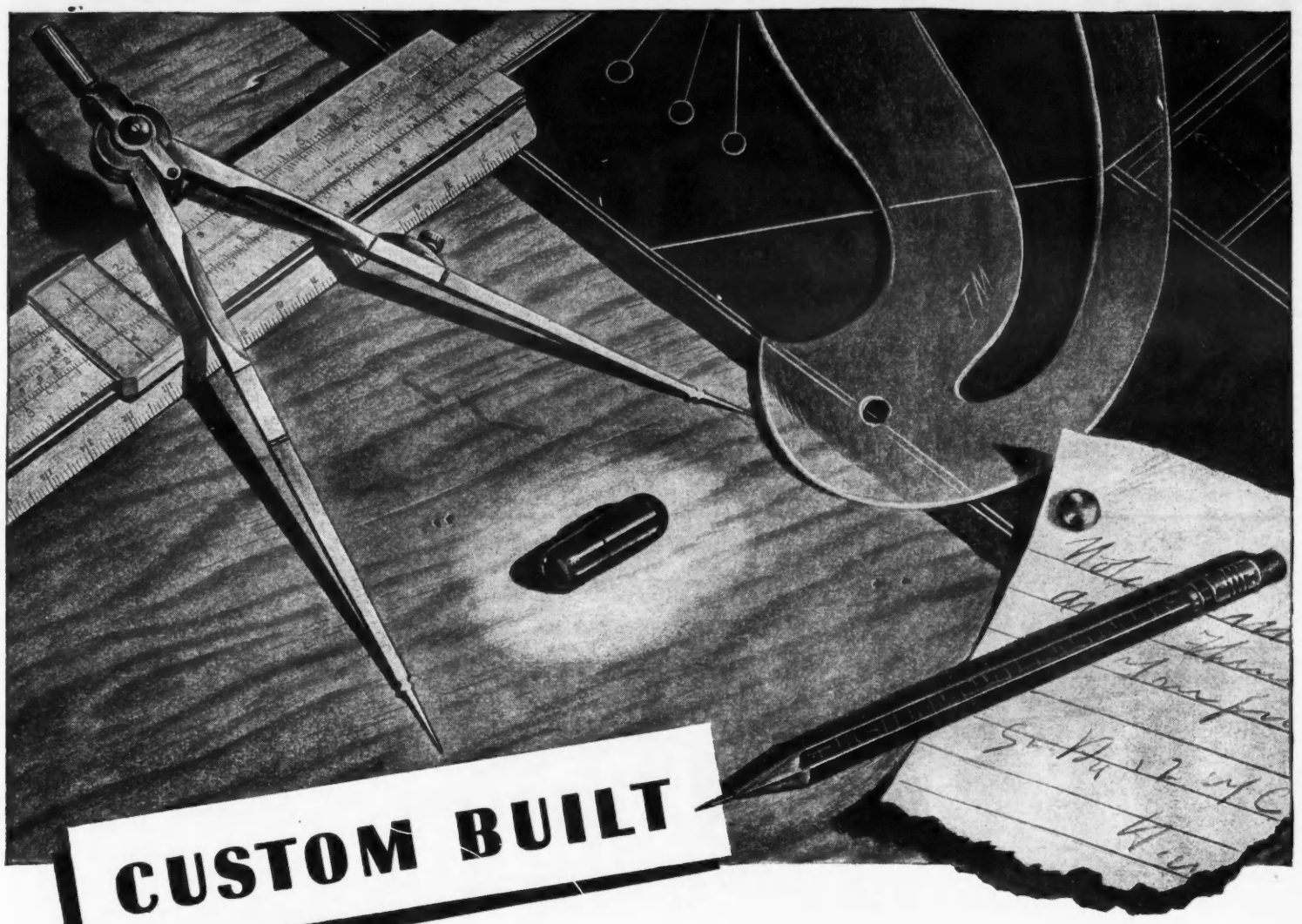
PRODUCT *Chemical Formula* *Molecular Weight*	DESCRIPTION & USES
Ammonium Benzoate, Tech. $C_6H_5COONH_4$; 139.1	White crystalline solid. Preservative for latex and adhesives; manufacture medicinals.
Benzoate of Soda, U.S.P., Tech. C_6H_5COONa; 144.0	White, odorless crystalline solid. Purity 99% min. Preservative for tomatoes, catsup, margarine, fruit juices, pharmaceuticals, tooth paste and powder; curing tobacco.
Benzoic Acid, U.S.P., Tech. C_6H_5COOH 122.1	White odorless, crystalline solid. Purity 99.3% min. Manufacture of dyestuffs, perfumes and pharmaceuticals, ingredient of cosmetics, pharmaceutical preparations, antiseptics, dentifrices; preservation of food; curing of tobacco.
Metanitrobenzoyl Chloride $NO_2C_6H_4COCl$; 185.5	Yellow to brown liquid, partially crystallized. L. C. P. 28° to 31°C. Manufacture dyes for fabrics; color photography; pharmaceuticals.
Methyl Benzoate $C_6H_5COOCH_3$; 136.1	Clear, colorless liquid. Sp. Gr. 1.0930. B. R. 2° including 199°C. Ingredient of perfumes, soaps and medicines; preservative for rubber.
Paranitrobenzoyl Chloride $NO_2C_6H_4COCl$	Yellow crystalline material in lump form. Decomposes in water and alcohol; soluble in ether; M. P. 70°C min; purity 95% min. Manufacture of Novocaine and dyes.

HOOKER ELECTROCHEMICAL COMPANY
1 Forty-Seventh St., Niagara Falls, N. Y.
New York, N. Y. • Wilmington, Calif. • Tacoma, Wash.

HOOKER CHEMICALS

Caustic Soda
Paradichlorbenzene
Muriatic Acid
Chlorine
Sodium Sulfide
Sodium Sulfhydrate

8353



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Our trained laboratory staffs make sure that from the raw materials to the final products stage your exact specifications are followed. Active ingredients, pH, moisture, color, weight, taste, odor, and other important physical characteristics will conform absolutely.

We have manufactured pharmaceuticals for 113 years. All of the experience gained during that time will be working for you when we make your products.

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Whether you are considering immediate or future production, our technical sales director will be glad to talk over your manufacturing problems with you.

Strong Cobb & Company, Inc.

CLEVELAND 4, OHIO

ARMY E NAVY

SUBSIDIARY OF STANDARD BRANDS INCORPORATED

MANUFACTURING CHEMISTS SINCE 1833

Talc, dom., fibrous, grd., fine, New York, 325 mesh, 93-94%, bgs., c.l., works.. ton. 13.00 -18.00
98 - 99.5%, bgs., c.l., works..ton. 15.25 -19.25
99.85 - 99.95%, bgs., c.l., works..ton. 17.00 -21.00
imp. Canada, bgs., c.l.....ton. 24.00 -30.00
Tallow,[1,7] edible, tanks.....lb. .09¾- —
inedible, extra, loose.....lb. .08¾- —
special, loose.....lb. .08¼- —
sulphonated, 50% (42% fat), dms., c.l..lb. .07 - .07½
(70% fat), dms., c.l.....lb. .10 - .10½
Tallow, sulphonated, l.c.l., ½c. higher.
Tamarind, bbls.....lb. .13 - .14
Tankage,[1,7] animal, feed grd., 9-11% ammon., bulk, unit-ton. 5.53 - —
Chicago .....unit-ton. 5.53 - —
fert. grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 4.00 & .10
Tapioca flour,[1,8] bgs.....lb. .07 - .07½
Java, bgs.....lb. No stocks
Tar acid oil, 15-19%, dms., c.l., works..gal. .26½- —
l.c.l., works.....gal. .28½- —
25%, dms., c.l., works..gal. .30 - —
l.c.l., works.....gal. .32 - —
Tar, pine (see Pinetar).
Tara,[1] powd., c.l. ex dock, U. S. ports..long ton. 118.00 - —
Tarragon herb, bgs.....lb. .60 - .65
Leaves, bgs.....lb. 1.20 - 1.25
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .47¾- .48
dms. .....lb. .48½- .51
USP, powd., bbls., dms., kgs. lb. .52¾- .56
Terpin hydrate, com'l, bbls., c.l. lb. .24½- —
l.c.l. .....lb. .25 - .25½
USP, cryst., bbls., dms....lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms.....lb. .84 - .50
Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terpinyl acetate, extra, cns., dms..lb. .90 - 1.15
prime, cns., dms.....lb. .75 - 1.05
Terra alba (see Gypsum).
Tetrachloroethane, dms., works, lb. .08 - .08½
Tetrachloroethylene, NF VI, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works.....lb. .23½- .26¼
tech. (see Perchloroethylene).
Tetrallin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 90%, bots., works..lb. 12.50 Nom.
Theobromine,[1] dms., 25-lb. lots.. lb. 2.80 - —
smaller lots.....lb. 2.90 - 3.00
Thiamine hydrochloride, dms., 100 grams or more..kilo. 100.00 - —
Thiocarbanilide, dms.....lb. .24 - —
Thiourea, CP, dms.....lb. .55 - .56
Thorium nitrate, cs., works...lb. 9.00 - —
Thyme, California, French type, bls., Pacific Coast..lb. .90 - .92
Spanish, bls.....lb. .14 - .14½
Thymol, cns.....lb. 2.40 - 2.75
Iodide, dms.....lb. 3.40 - 3.80
Timbo root (see Cube root).
Tin chloride,[6] anhydrous.....lb. No stocks
crystals,[6] bgs., bbls.....lb. No stocks
Metal,[1,6] .....lb. .52 - —
Bolivian .....lb. .63½- —
Straits .....lb. No stocks
Oxide,[1,6] bbls.....lb. .54 - .55
Tetrachloride,[6] anhyd., dms., works..lb. .81 - .83
Titanium dioxide,[1,4] chalk resistant, bgs., c.l., divd..lb. .15 - —
l.c.l., divd.....lb. .15½- .15¾
nonchalking,[1,4] bgs., c.l., divd. E..lb. .16½- —
l.c.l., divd.....lb. .16¾- .17¼
plain, bgs., c.l., divd.....lb. .14½- —
l.c.l., divd.....lb. .14¾- .15½
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium, base,[1,4] bgs., c.l., divd..lb. .05¾- —
l.c.l., divd.....lb. .06 - —
calcium base,[1,4] bgs., c.l., divd..lb. .05½- —
l.c.l., divd.....lb. .05¾- —
Calcium-rutile base,[1,4] bgs., c.l., divd..lb. .05½- —
l.c.l., divd.....lb. .05¾- —
Magnesium base,[1,4] divd...lb. .05¾- —
l.c.l., divd.....lb. .06 - —
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., divd., l.c.l., ex whse., ¼c. higher.
Tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller pkgs., works.....lb. .65 - 1.22
technical, 55-gal. dms., works. lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00
Tolu balsam, cns.....lb. 1.85 - 1.90
Toluidin base, distilled, kgs...lb. .96 - —
Toluene (see Toluol).
Toluol (toluene), coaltar, 2°, indust., dms., return, wks. gal. .32 - —
tanks, E. of Omaha, frt. alld..gal. .27 - —
West Minnequa, Colo..gal. .27 - —
1°, nitration, ret. dms., works. gal. .32 - —
tanks, E. of Omaha, frt. alld..gal. .27 - —
West Minnequa, Colo..gal. .27 - —
Petroleum toluol prices, same as those for coaltar toluol.
Tonga, 50% bark and vine, bbls. lb. .90 - .91
Tonka beans, Angostura, cks.lb. 1.50 - 1.60
Brazilian, Surinam, cs.....lb. .80 - .85
Totaquine,[1,8] USP XII, 100-ozs. lots..oz. .52 - —
Triacetin, dms., works.....lb. .27 - .32
Triamylamine, dms., c.l., works. lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, dms.....lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, cns., l.c.l., divd..lb. .53 - .55
dms., l.c.l., divd.....lb. .49 - —
Tributylamine, dms., c.l., works. lb. .78 - —
l.c.l., works.....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .08 - —
l.c.l., frt. alld.....lb. .08½- —
tanks, frt. alld.....lb. .07½- —
Trichloroethane, dms., c.l., works. lb. .15 - —
l.c.l., works.....lb. .17 - —
Trichloroethylene, dms., c.l., Zone 1, works, frt. alld..lb. .08 - —
Zone 2, frt. alld.....lb. .08½- —
Zone 3, frt. alld.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —
Trichloroethylene, l.c.l., prices, ½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate, tech., cns., works..lb. .28 - .39½
dms., c.l., divd.....lb. .25 - —
l.c.l., divd.....lb. .25½- —
tanks, divd.....lb. .24 - —
Triethanolamine, dms., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .40 - —
Triethylamine, dms., c.l., works, basis 100%..lb. .34 - —
l.c.l., works, basis 100%....lb. .36 - —
tanks, works, basis 100%....lb. .30 - —
Triethyleneglycol, dms., c.l., frt. alld. in E..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, dms., c.l., divd. lb. .85 - —
l.c.l., divd.....lb. .90 - —
Trimethylolpropane, bbls.....lb. .65 - —
Triphenyl phosphate, bbls., c.l., frt. alld..lb. .31 - —
l.c.l., same basis.....lb. .32 - —
Tripoli,[1] air-floated, bgs., c.l., works..ton. 21.50 - —
double-grd., bgs., c.l., works.. ton. 17.50 - —
once-grd., bgs., c.l., works. ton. 16.00 - —
Trisodium phosphate (see Soda phosphate tribasic).
Tuba root (see Cube root).
Tungsten metal, powd., 99-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, kgs.....lb. No prices
Turmeric root, Alleppey, bls., futures..lb. .18 - .18¼
Haitian, bls., Miami or New Orleans..lb. .10 Nom.
Madras, bgs.....lb. .17¼- .17¾
Turpentine, gum, ret. dms., c.l. gal. .93½- —
l.c.l. .....gal. .94½- —
tanks, Savannah.....gal. .83½- —
Wood,[1] d.d., dms., East....gal. .65 - .70
tanks, East.....gal. .60 - —
steam-dist., ret. dms., East, gal. .80 - .88
tanks, East.....gal. .74 - .75
Sulphate, ret. dms.....gal. .65 - .76

U

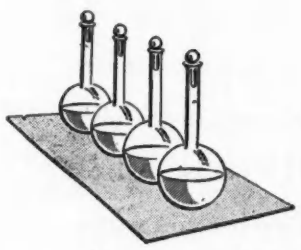
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium,[6] oxide, black, bgs...lb. 2.55 - —
yellow, kgs.....lb. 1.05 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton. 68.00 - —
l.c.l., ship. pts.....ton. 70.50 -85.00
import, pure, cs.....lb. .12 - —
Fertilizer comp., 42% N., bulk, c.l., works, or Atlantic or Gulf ports..ton. 57.40 - —
Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton. 59.00 - —
fixed ammonia content, Belle, W. Va., freight equalized with Hopewell, Va., NH_3..ton. 112.80 - —
fixed ammonia content, usual Atlantic and Gulf ports, NH_3..ton. 116.80 - —
C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.
Urunday, c.l., ex dock, in bond. lb. .05 - —
Uva ursi leaves, bls.....lb. .19 - .20

V

Valerian root, Belgian, NF, bls., lb. .59 - .60
Indian, bls.....lb. .52 - .53
Valonia, beards, bgs., f.a.s...ton. No prices
Cups, bgs., f.a.s.....ton. No prices
Vanadium[1] pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. 7.75 - 8.50
Mexican, cuts, tins.....lb. 9.50 -10.00
whole, tins.....lb. 10.50 -11.00
Tahiti, white label, tins.....lb. 3.50 - 3.75
yellow label, tins.....lb. 3.25 - 3.50
West Indian, tins.....lb. No stocks
Vanillin,[1] ex eugenol, tins, 25 lbs. or more..lb. 2.60 - —
smaller lots, tins.....lb. 2.65 - 2.75
ex guaiacol, tins, 25 lbs. or more..lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
ex lignin, tins, 25 lbs or more. lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50

Keep your eye on NOPCO

For continuing improvement in your supply of Vitamin A and Vitamin D



Make no mistake—NOPCO Vitamin A and D Concentrates will set the standard for your purchase specifications in the postwar era.

Here are two reasons why:

1. Since 1940, four NOPCO development laboratories have been responsible for more than seventy patents or patent applications on *Vitamin A and D Concentrates alone.*

2. Five NOPCO vitamin control laboratories conduct routinely *some sixty different control operations,* your assurance of quality control.

This constant striving for technical improvement, and this care in maintaining those improvements in the finished product, are two big reasons why you should—*Keep Your Eye On NOPCO*—for the latest developments in production of top-quality Vitamin A and Vitamin D.

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NATIONAL OIL PRODUCTS COMPANY

BOSTON • HARRISON, N. J. • CHICAGO
CEDARTOWN, GA • RICHMOND, CALIF.

Pioneer producer of *natural* Vitamin A and Vitamin D Concentrates, Vitab Rice Bran Concentrate and Calcium Pantothenate.

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Vitamin A and D Concentrates

OPD—3-11-1946 37

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17,692,000 GALLONS

TOLUENE

NO. 1 NITRATION GRADE

(SMALL QUANTITY AVIATION GRADE)

In Carload Lots for Approved Uses

FOR SALE BY WAR ASSETS CORPORATION

This Toluene, manufactured for U. S. wartime requirements, is No. 1 Nitration Grade, with the exception of a small quantity which is aviation grade. Now offered in carload lots for approved uses only, such as: warranted blending for motor fuel, or new uses for which Toluene has not heretofore been used. Export is encouraged. Much of this Toluene is located where it can be shipped by barge on inland waterways, or by ocean tankers. Details as to permitted uses, prices, and deliveries may be obtained from any War Assets Corporation Regional Office.

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MARSHALL, TEXAS
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SANDUSKY, OHIO
CHATTANOOGA, TENN.
WELDON SPRINGS, MO.
RADFORD, VA.
BAYTOWN, TEXAS
TEXAS CITY, TEXAS
POINT PLEASANT, W. VA.

VETERANS OF WORLD WAR II: To help you in purchasing surplus property from War Assets Corporation, a veterans' unit has been established in each of our Regional Offices.

A DISPOSAL AGENCY DESIGNATED BY THE SURPLUS PROPERTY ADMINISTRATION for Surplus Producers' and Capital Goods, Aircraft and Plants formerly handled by Reconstruction Finance Corporation . . . and for Surplus Consumer Goods formerly handled by United States Department of Commerce.

WAR ASSETS CORPORATION

(A SUBSIDIARY OF RECONSTRUCTION FINANCE CORPORATION)

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392

Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls., bgs.....lb. .22 - .23
Vinyl acetate, cbys., works....lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., l.c.l., works, lb. .25 - —
Vinyl ether, bots., 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis.....bot. 1.05 - —
25 c.c., same basis.....bot. .65 - —
Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works.lb. 1.50 - —
Viosterol (irradiated ergosterol), bots., mil., units. .10 - .12
in corn oil (see Calciferol).
Vitamin A (see Oils, codliver, halibut-liver).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. .55 - .60
Wattle bark,[1,5] E. Africa, bgs., f.a.s..ton.53.00 - —
S. Africa, merchandable, bgs., f.a.s..ton.53.00 - —
fair average, bgs., f.a.s..ton.53.50 - —
prime quality, bgs., f.a.s., ton.58.00 - —
Wattle bark extract,[1] liquid, 35% tannin, bbls., works..lb. .05¼- .06¼
tanks, works.....lb. .04¾- .05¾
solid, E. Afr., 62% tannin, ex dock..lb. .05596- .05845
S. Afr., 61% tannin, ex dock. lb. .0372- .0597
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs.....lb. No stocks
Bees, bleached, USP, white, bricks, cakes, cs.....lb. .62 - .65
slabs, bgs.....lb. .60 - .62
crude, African, bgs.....lb. .49 - .51
Western hemisphere, bgs.lb. .57 - .60
refined, yellow, brick, bgs.lb. .56 - .58
cakes, cs.....lb. .55 - .57
Candelilla, crude, bgs.....lb. .72 - .74
refined, bags.....lb. .74 - .76
Powdered, candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mash, 6c.
Carnauba, chalky, No. 3, bgs., ton lots..lb. No stocks
smaller lots.....lb. 1.28 - 1.30
North Country, No. 2, bgs., ton lots..lb. No stocks
smaller lots.....lb. 1.38 - 1.40
No. 3, bgs., ton lots....lb. No stocks
smaller lots.....lb. 1.32 - 1.35
refined, bgs., ton lots...lb. No stocks
smaller lots.....lb. 1.45 - 1.50
yellow, No. 1, bgs., ton lots. lb. No stocks
smaller lots.....lb. 1.65 - 1.70
No. 2, bgs., ton lots.....lb. No stocks
smaller lots.....lb. 1.65 - —
Powdered carnauba prices, same differentials as powdered candelilla.
Ceresin, dom., 132°-136° m.p., bgs..lb. .12½- .13½
138°-140° m.p., bgs.....lb. .14 - —
158°-162° m.p., bgs.....lb. .19 - 22
Japan, cs.....lb. No stocks
Wax, microcrystalline, 170°-175° m.p., A.S.T.M., amber, ctns., 30 tons, yearly contract, group 3, works..lb. .14½- —
Wax, microcrystalline, amber, ctns., smaller lots, same basis..lb. .14½- .15½
black, ctns., 30 tons, same basis..lb. .12¾- —
smaller lots, same basis.. lb. .13 - .13¾
190° - 195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis..lb. .16¼- —
smaller lots, same basis, lb. .16½- .17¼
black, ctns., 30 tons, same basis..lb. .14¾- —
smaller bots., same basis, lb. .15 - .15¾
white, ctns., 30 tons, same basis..lb. .24¾- —
smaller lots, same basis, lb. .25 - .25¾
Montan, domestic, bgs.....lb. No stocks
Ouricury, crude, bgs., ton lots. lb. 1.05 - 1.10
smaller lots.....lb. 1.10 - 1.15
refined, bgs., ton lots.....lb. 1.20 - 1.25
smaller lots.....lb. 1.25 - 1.30
Powdered ouricury prices same as powdered candelilla.
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .27 - .32
cakes, cs.....lb. .28 - .33
White lead (see Lead, white).
White precipitate, powd., dms., 50 lbs. or more..lb. 2.50 - —
White pine bark, rossed, bls..lb. .14 - .15
Whiting,[1] chalk, dry-grd., bgs., c.l..ton.18.00 -22.00
l.c.l.....ton.20.00 -24.00
wet-ground, bgs., c.l.....ton.21.00 -25.00
l.c.l.....ton.25.00 -29.00
gilders, bolted, bgs., c.l.ton.20.00 -24.00
l.c.l.....ton.21.00 -25.00
extra-bolted, bgs., c.l..ton.22.00 -26.00
l.c.l.....ton.23.00 -27.00
Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E., works..ton. 6.00 - —
smaller lots, N.E., works, ton. 7.00 - 9.00
wet-grd., air-coated, 360 mesh, 99¼%, bgs., c.l..ton. 9.35 -10.10
200 mesh, 99¼%, bgs., c.l., ton. 8.00 - 9.50
99%, bgs., c.l.....ton. 6.25 - 7.00
water-floated, extra gilders, bgs., c.l..ton.10.00 - —
gilders, bgs., c.l.....ton.12.45 - —
putty grade, bgs., c.l..ton.12.00 - —
Paris white, bgs., c.l.....ton.24.00 -28.00
l.c.l.....ton.25.00 -29.00
precipitated, bgs., c.l.....ton.14.00 -15.00
l.c.l.....ton.16.00 -20.00
Wild cherry bark, thick, bls..lb. .06 - .07
thin, natural, bgs.....lb. .16 - .17
rossed, green, bls.....lb. .25 - .26
Wild indigo root, bls.....lb. .30 - .31
Witch-hazel leaves, bls.....lb. .21 - .22
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y..ton.20.00 - —
60 mesh, same basis.....ton.24.00 - —
80 mesh, same basis.....ton.27.00 - —
100 mesh, same basis.....ton.30.00 -32.00
Woodflour, in bags, 25c. each extra, returnable.
Wormseed, American, bgs.....lb. .20 - .22
Levant, bgs.....lb. 4.50 - 4.75
Wormwood, bls.....lb. .50 - .60

X

Xanthorrhiza bls.....lb. .24 - .26
Xylene (see Xylol).
Xylidin, mixed, dms.....lb. .35 - .36
Xylol (xylene), coaltar, indus., ret. dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
West Minnequa, Colo..gal. .26 - —
10°, ret. dms., works.....gal. .34 - —
tanks, E. of Omaha, frt. alld. gal. .29 - —
5°, ret. dms., works.....gal. .41 - —
tanks, E. of Omaha, frt. alld. gal. .36 - —
3°, ret. dms., works.....gal. .47 - —
tanks, E. of Omaha, frt. alld. gal. .41 - —
Petroleum xylol prices, same as those for coaltar xylol.

Y

Yara yara, cryst., bots., cns..lb. 1.75 - 1.90
Yeast, brewer's dry, 50 B units, dms..lb. .35 - —
90 B units, dms.....lb. .45 - —
200 B units, dms.....lb. .50 - —
300 B units, dms.....lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., divd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .32 - —
Barium chromate yellow price differentials in other State and city zones are those for chrome yellow below.
Benzidin, bbls., divd.....lb. 1.35 - 2.25
Cadmium, CP, bgs.....lb. 1.25 - 1.40
ton lots, E. of Rockies..lb. .55 - —
smaller lots, same basis, lb. .65 - —
sulphide, orange, cs., kgs., works..lb. 1.10 Nom.
Chrome, CP, bbls., divd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts .lb. .16 - —
Chrome yellow prices are ½c. higher, divd. Ala., Fla., Ga., La. (Shreveport), 1½c., Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c.; Ft. Worth, Tex., 1½c.; El Paso, Tex., 2c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St Joseph, 1.6c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis as chrome..lb. 1.37 - —
primrose, bbls., same basis.lb. 1.75 - —
Iron oxide, nat., bbls., c.l., Bethlehem, Easton, Pa. lb. .04½- —
l.c.l., same basis.....lb. .05 - —
synthetic, bbls., c.l., works. lb. .0685- —
l.c.l., works.....lb. .0710- —
Mercury oxide, bbls., 1,000 lbs., lb. 2.42 - —
smaller lots.....lb. 2.45 - —
Ocher American, golden, bbls., works..lb. .04½- .05½
yellow, bbls., works.....lb. .03 - .03½
French type, bbls., c.l.....lb. .0365- —
l.c.l.....lb. .0385- —
Persian orange (see O).
Zinc, bbls., same basis as chrome..lb. .16 - —
Navy spec. type, bbls., contract..lb. .16 - —
Yellow dock root, bls.....lb. .35 - .36
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, bls.....lb. .21 - .25
Yohimbine hydrochloride, vis..oz. 3.00 - 5.75

Z

Zein, bgs., 1,000 lbs., works...lb. .25 - —
smaller lots, works.....lb. .30 - —
Zinc acetate, tech., bbls., divd.lb. .16 - .17
USP, bbls.....lb. .26 - .27
kgs.....lb. .29 - —
Arsenite,[1] bgs., c.l., frt. alld. E. of Rockies..lb. .11¾- .12¼
l.c.l., same basis.....lb. .12¼- .12¾
Borate, bgs., c.l.....lb. .12 - —
Carbonate, tech., rubber makers' grade, bbls., works..lb. .09¾- .10¾
USP, precip., powd., bbls..lb. .35 - —
dms.....lb. .40 - —
kgs.....lb. .37 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 5.35 - —
gran., dms., c.l., works... 100 lbs. 5.75 - —
l.c.l., works.....100 lbs. 6.30 - —
solution, 50%, dms., c.l., works..lb. .0315- —
l.c.l., works.....lb. .04¼- .04½
tanks, works.....lb. .0250- —
USP, dms.....lb. .30 - .31
jars.....lb. .35 - .36
Chromate (see Yellow, zinc).
Cyanide, kgs., works.....lb. .33 - .37

"HIGHLY EFFECTIVE AS MOLD LUBRICATING AGENTS"

REPORT...
WITCO BARIUM, CALCIUM, LEAD, AND ZINC STEARATES
are highly effective as lubricating agents in plastic and rubber molding operations. Because these carefully processed stearates are of uniformly fluffy texture and have no tendencies to form greasy lumps, finished products can be withdrawn smoothly and cleanly from the molds. Witco Barium Stearate has the additional advantage of an extremely high melting point—257°C—which permits its use at temperatures at which other stearates are not effective. Witco Barium, Calcium, Lead and Zinc Stearates impart improved working qualities to formulations in which they are contained. Send for samples today.

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Manufacturers and Exporters
295 MADISON AVENUE, NEW YORK 17, N. Y.
Boston • Chicago • Detroit • Cleveland • Akron • London

Zinc dust,[6] bbls., c.l., dlvd.	lb.	.1035-	—
l.c.l., works	lb.	.1135-	—
Fluoride, bbls.	lb.	.25 -	.30
Hydrosulphite, dms., works	lb.	.16 -	—
Iodide, NF, bots.	lb.	4.66 -	4.75
jars	lb.	4.40 -	—
Laurate, bbls.	lb.	.32 -	.33
Metal,[1] (quotations in Protective Coatings market).			
Naphthenate, 8%-10% Zn, dms.	lb.	.16 -	.19½
Oxide, pigment, dom., acicular, bgs., c.l., dlvd.	lb.	.07¼-	—
l.c.l., dlvd.	lb.	.07½-	—
American process, com'l, lead-free, bgs., c.l., dlvd.	lb.	.07¼-	—
l.c.l., dlvd.	lb.	.07½-	—
leaded, 5%, bgs., c.l., dlvd.	lb.	.07½-	—
l.c.l., dlvd.	lb.	.07¾-	—
35% or more, bgs., c.l., dlvd.	lb.	.07 -	—
l.c.l., dlvd.	lb.	.07¼-	—
French process, com'l, lead-free, bgs., c.l., dlvd.	lb.	.07¼-	—
l.c.l., dlvd.	lb.	.07½-	—
green seal, bgs., c.l., dlvd.	lb.	.09 -	—
l.c.l., dlvd.	lb.	.09¼-	—
red seal, bgs., c.l., dlvd.	lb.	.08½-	—
l.c.l.	lb.	.08¾-	—
white seal, bgs., c.l., dlvd.	lb.	.09½-	—
l.c.l., dlvd.	lb.	.09¾-	—
USP, ctns., c.l.	lb.	.10¼-	—
l.c.l.	lb.	.10¾-	—
Zinc oxide Pac. Coast prices ½c. higher; bbl. prices ¼c. higher than bgs.			
Resinate fused, 1% Zn. lump, dms.	lb.	.11 -	.12
precipitated, 8.40% to 9% Zn, powd., dms.	lb.	.14½-	.15
Silicofluoride, bbls.	lb.	.15 -	.19
Stearate, tech. ,ctns., c.l., frt. equald.	lb.	.29 -	—
smaller lots, same basis.	lb.	.30 -	.31
USP (same prices as tech.).			
Sulphate, cryst., bgs., c.l., works, frt. alld.	100 lbs.	3.40 -	—
l.c.l., same basis.	100 lbs.	4.15 -	—
flake, bgs., c.l., same basis.	100 lbs.	3.80 -	—
l.c.l., same basis.	100 lbs.	4.55 -	—
powd., bgs., c.l., same basis.	100 lbs.	5.35 -	—
l.c.l., same basis.	100 lbs.	6.10 -	—
Zinc sulphate, in bbls., 25c. higher.			
Sulphide,[1] pure, bgs., c.l., dlvd.	lb.	.08¼-	—
l.c.l., dlvd.	lb.	.08¾-	—
bbls., c.l., dlvd.	lb.	.08½-	—
l.c.l., dlvd.	lb.	.08¾-	—
Barium pigment,[1] bgs., c.l., dlvd.	lb.	.0560-	—
l.c.l., dlvd.	lb.	.0585-	—
Calcium pigment,[1] bgs., c.l., dlvd.	lb.	.0560-	—
l.c.l., dlvd.	lb.	.0585-	—
Fluorescent pigment,[1] works, frt. alld.	lb.	.90 -	1.00
Magnesium pigment,[1] bgs., c.l., dlvd.	lb.	.05¾-	—
l.c.l., dlvd.	lb.	.06 -	—
Zinc sulphide and pigments, Pac. coast prices ¼c. higher; bbl. prices ¼c. higher than bgs.			
Sulphocarbolate, NF, bbls., dms.	lb.	.28 -	.30
Tallate, 5% Zn, dms.	lb.	.09¾-	—
Yellow (see Yellow, zinc).			
Zinc-ammonia chloride, dms., c.l., works.	100 lbs.	5.65 -	—
l.c.l., works.	100 lbs.	6.70 -	—
Zinc - cadmium sulphide, fluorescent, cns., works, frt. alld.	lb.	2.00 -	2.60
Zinc-iron oxide pigment, bgs., c.l., dlvd.	lb.	.06 -	—
l.c.l., dlvd. E. of Rockies,	lb.	.06¼-	—
Pac. cst.	lb.	.06½-	—
ex whse., Pac. cst.	lb.	.07 -	—
Zirconium hydride, cns., works,	lb.	7.00 -	8.00
Nitrate, kgs., works.	lb.	3.00 -	4.00
Oxide, crude, 90%, grd., 200 mesh, bbls., c.l., works.	ton.	95.00 -	—
white, 98-98½%, grd., kgs., works.	lb.	.80 -	—

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in OPD for February 4.

Glidden Opens $250,000 Research Laboratory

The Glidden Company, manufacturer of paint materials, Cleveland, has opened a research laboratory for the study of paint, varnish and lacquer development problems, at a cost of approximately $250,000.

Empire State Chamber Of Commerce Formed

The Empire State Association of Commerce has been formed to consolidate chambers of commerce in New York State, according to Leroy A. Lincoln, president of the Chamber of Commerce of the State of New York.

L. Sonneborn Adds Two To Petrolia Refinery Staff

Dr. Henry Sonneborn, 3rd, until recently on active duty as a lieutenant in the Navy, and Dr. Hans Schindler, research chemist, have joined the technical staff of the Petrolia, Pa., refinery of L. Sonneborn Sons, Inc., mineral oils and petrolatums, New York.

Dr. Sonneborn returns to the position he had held prior to his Navy service. Dr. Schindler was formerly senior research chemist at the research and development laboratories of the Pure Oil Company, Winnetka, Ill.

Carbide & Carbon Chemicals Corporation, New York, has leased an entire floor at 400 Madison avenue, that city.

Lithgow Develops 'Cotoid'

The Lithgow Corporation, paint materials manufacturer, Chicago, has developed a new protective coating 'Cotoid,' which it claims is highly resistant to acids, alkalies, chlorides, oils, brine, oxygen, gasoline and alcohol solutions.

Gypsum Output Up

Crude gypsum mined in the United States during 1945 was 3,801,711 tons compared to 3,753,911 in 1944; imported during 1945 was 505,717 compared to 341,853 in 1944; calcined gypsum produced during 1945 was 2,474,007 compared to 2,364,727 in 1944.

Minerals Maps Available

Four maps showing the mineral resources of the Missouri Valley drainage basin may be purchased from the Geological Survey, Washington, D. C., at 50 cents per map, or $1.50 for the set of four.

DDT powder offered for public sale must be colored, to guard against mistaking it for flour, under a new ruling by the health department of New Hampshire.

Professional Services

Analysis—Testing—Patents Formulations—Trademarks

(For further details see listings in OPD Green Book.)

Jerome Alexander
50 East 41st St., New York 17, N. Y.

Arlinco Research Laboratory, Inc.
333 West 52nd St., New York 19, N. Y.

Assn. of Consulting Chemists & Chemical Engineers, Inc.
50 East 41st St., New York 17, N. Y.

Johan Bjorksten, Ph.D.,
185 N. Wabash Ave., Chicago 1, Ill.

Bureau of Chemistry
2 Broadway, New York 4, N. Y.

Di Cyan & Brown
12 East 41st St., New York 17, N. Y.

The Don Company
6253 Hollywood Blvd., Los Angeles 28, Calif.

The Edwal Laboratories, Inc.
732 Federal St., Chicago 5, Ill.

Dr. J. Ehrlich
153 S. Doheny Dr., Beverly Hills, Calif

Ellis-Foster Company
4 Cherry St., Montclair, N. J.

Ralph L. Evans Associates
250 East 43rd St., New York 17, N. Y.

Food Research Laboratories, Inc.
48-14 33rd St., Long Island City 1, N.Y.

E. M. Laning Company
433 Stuyvesant Ave., Irvington 11, N. J.

LaWall & Harrisson
1921 Walnut St., Philadelphia 3, Pa.

Leberco Laboratories
36 Roosevelt Ave., Bloomfield, N. J.

Molnar Laboratories
211 East 19th St., New York 3, N. Y.

James C. Munch
306 So. 69th St., Upper Darby, Pa

Orthmann Laboratories, Inc.
647 W. Virginia St., Milwaukee 4, Wis.

W. S. Purdy Company, Inc.
128 Water St., New York 5, N. Y.

Schwarz Laboratories, Inc.
202 East 44th St., New York 17, N. Y

Foster D. Snell, Inc.
303 Washington St., Brooklyn 1, N. Y.

Stillwell & Gladding, Inc.
130 Cedar St., New York 6, N. Y.

Herbert Waterman
2100 Roselin Pl., Los Angeles 26, Calif

Wiley & Company, Inc.
Calvert & Read Sts., Baltimore 2, Md

Horse Head *Lead-Free* Zinc Oxides

New Jersey Zinc

HORSE HEAD XX-503 ZINC OXIDE. This brand was developed especially to afford increased durability to house paints. Its particles are so formed and their size and other characteristics controlled so as to assure durability to a maximum degree.

Horse Head XX-503 has good color and brightness and is a low consistency type of oxide.

More information on all Horse Head lead-free zinc oxides is given in our Pigment Selection Chart. Send for a copy today.

THE NEW JERSEY ZINC COMPANY
160 FRONT STREET, NEW YORK 7, N. Y.

Oil, Paint & Drug Reporter

Founded October 18, 1871, by William O. Allison
Directed, 1900-1942, by Harry J. Schnell

Published every Monday in New York by
SCHNELL PUBLISHING COMPANY, INC.
59 John Street, New York 7, N. Y., U. S. A.
Telephone: REctor 2-9620
Cable Address: Reporter, New York

William S. Auchincloss, President and Treasurer; Jean Schnell Auchincloss, Vice-President; Hugh Craig, Vice-President; Burr Price, Vice-President; M. B. Powers, Assistant Treasurer; A. L. Koch, Secretary.

Incorporating the Drug, Paint and Oil Trade, The New York Drug Bulletin, The Weekly Drug News, the New York Druggists' Price Current, The Soap Makers Journal, the Oil and Paint Review, and International Petroleum Reporter.

Annual subscription rates, including postage, in the United States and possessions, Cuba, Mexico, Central America and South America, $5.00; Canada and Newfoundland, $7.00; other countries, $10.00; single copies, 25 cents each.

Member of Audit Bureau of Circulations.

Entered at the Post Office at New York as second-class matter January 15, 1894, under the act of March 3, 1879.

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Volume 149 March 11, 1946 Number 10

Congressional Reorganization

The much-discussed plan to reform Congress, at least physically and functionally, has been presented by a committee representing both houses of the Federal legislature. It comprises a number of recommendations, some of which are highly commendable. It falls short of the revision of the Federal lawmaking system, that would bring real improvement to the process.

The report of the bicameral committee quite commendably puts at the head of the list of desirable changes the numerical reduction of congressional committees and the elimination of their duplication in purpose and conflict in procedure. This idea will not find easy sailing. The concomitant, absurd antiquity of making seniority a prime qualification for committee chairmanship is not assailed.

Higher pay for congressmen is recommended as a part of the improvement program. It is undeniable that men of higher value would do better work, but there is no guaranty that an inflated price would procure better value in this respect anymore than it does in the more common channels of procurement today.

One of the best ideas in the proposed revision is the recommendation that the processes of Congress be changed to enable congressmen to devote more time to legislative work. The means proposed toward that desirable end do not appear to possess adequate efficacy. The report does well to propose that Congress have more technical, research, and administrative help. There is some value in the proposal of an $8,000-a-year administrative assistant in each congressional office. But, the committee does not come out definitely in favor of the relegation by Congress of all quasi-police investigation to the Department of Justice and the transfer of all touring of this, that, or the other domestic or foreign part of the world for the study of conditions in this or that or something else, to the Commerce, Agriculture, Treasury, or Interior department. In most of such things, legislation should be the last remedial resort. In all, the information got would be greatly enhanced in value if the getting were done by competent observers free from thoughts of re-election.

The biggest omission in the proposed program of improvement is the failure to give any attention to the logical wisdom of centralizing the fiscal functioning of Congress. Some recommendation is made with respect to deficit appropriations, but that is a minor item. The budget of the nation should be handled with a double-entry system of bookkeeping, instead of two sets of books, as now. Perhaps, to perpetuate an antiquated class distinction, there should be a finance committee in the house and another in the senate. But, each of these committees should work both ways; that is, it should determine the expenditures, as well as contrive the raising of the necessary revenue. The report aims at some similar result to be reached by way of the present, separate paths of raising and spending.

Recent events indicate the necessity of some sort of mental revision in Congress. A member of the senate is reported to have argued before that body that any senators who expressed opinions on the fitness of a presidential nominee for office before hearings on confirmation should be barred from voting on the nomination. It appears that freedom of speech may be about to suffer the fate that the senate recently decreed with respect to the equality of all men.

"The time is ripe," says the bicameral report on reorganization, "for Congress to reconsider its role in the American scheme of government and to modernize its organization and procedures." In the light of many things, "modernize" is hardly the right word in the indicated necessity. It falls far short of adequancy.

—O-P-D—

Promoting Paint's Opportunity

In the ten months since it was first presented to the industry, the co-operative advertising campaign advocated by the National Paint, Varnish and Lacquer Association has got a bit past the half-way mark in contributions considered necessary for its success. In view of the obvious apathy, at least, of the public to spend noticeably of its reputedly accumulated funds for badly needed painting, that showing does not reflect awareness on the part of the industry with reference to the competition for the consumer's dollar that will be characteristic of commercial activities when reconversion reaches the full-speed-ahead stage.

Because it has faced little, if any, reconversion problem, the paint, varnish, and lacquer industry has had a head-start on many others. It has been handicapped, however, by a lack of materials, puzzling in some respects, attributable in others to unsatisfactory conditions in basic supplying industries, explainable in some instances by the general failure of the nation to plan its way back to ordinary industrial functioning. Whether that handicap is commensurate with the extent to which obviously necessary repainting is not being done can only be conjectured. But, it is everywhere evident that there is a big, unsatisfied market for paint.

The manner in which that market is shared throughout the paint, varnish, and lacquer industry will depend on various factors. Unquestionably, co-operative, or "institutional," advertising could contribute much to the general development of the latent market. It could do much to develop individual and local participation in the results, depending on the manner of its construction and its operation. There seems to be some doubt, some uncertainty, or some lack of information in some quarters of the industry as to its appropriateness and adequacy in that connection.

The association has issued a new bulletin in its campaign for the funding of industrial co-operative advertising. This bulletin, "Your Advertising Campaign," should do much to establish the value of the proposed plan. To what extent the association has surveyed the opinions and responses of the industry on an individual basis is not reported. The part that local dealer advertising will have in the proposed campaign, integrally or correlatively, is still a question to some manufacturers who have a high regard for the efficacy of point-of-sale promotion.

The paint, varnish, and lacquer industry is one of the fundamentally important in today's commercial and social economy. It is a well-organized industry. So, it is in position to do a good and necessary job for itself, as well as for the public, which so extensively has need for its services. Its big opportunity right now is in the unpainted buildings which are the rule in almost every community. That market should be developed without delay. The other market, that of product finishes, cannot too early be prepared for, no matter how gradually its potentialities may develop. The industry, if it is to get even these obvious markets, must advertise: the public is not rushing to repaint its houses; other finishes are being promoted for all sorts of products. Not to grasp today's opportunities, because of some "let-George-do-it" or other apathetic attitude toward a 100-percent co-operative endeavor, is money-losing folly.

—O-P-D—

Crosswork Puzzles

It is encouraging to those who consider a fundamentally stable and functionally progressive economy essential to the national welfare that threats of labor strikes are less frequently developing into actual stoppage of, or serious interference with, productive and distributive operations. But, the threats in themselves are disturbing, and some of those still pending are not to be disposed of by means of wishful thinking. Furtherfore, there still are stoppages and interferences, and some of the aspects of these undesirable situations are most difficult to reconcile with applicable logic or the concepts of the American system of government.

Court orders against mass picketing, orders which are plainly authorized by law, are disregarded—and in most instances with impunity. Law and order have become outmoded. Strikers in the automotive industry, having started something which they cannot finish, blame the but partly compliant employer for prolonging the strike—because the strike leaders hold out for some extra reimbursement of their followers for the wages lost by not working.

A nonstriker, who desired to go to his job and carried a shotgun (unloaded) to intimidate interfering pickets, is arrested. Picketing strikers who beat up would-be workers are, at most, dispersed —temporarily. Mounted police ride down and arrest nonstrikers trying to get through an injunction-violating picket mob to their jobs. A committee of the United States Senate rejects the anti-strike bill because it would "paralyze and straitjacket" labor—which is above all law.

Is it any wonder that a government which is so obviously without backbone is rapidly losing face with the "have-and-hold" factions of its recent war allies?

CITRATE ESTERS

TRIETHYL CITRATE

A solvent plasticizer for phenolic resins, cellulose esters and ethers, and most other plastic materials. As it is capable of holding considerable amounts of water in solution it is recommended for investigation in connection with problems arising from blushing or the development of the orange-peel effect. Imparts resistance to oils.

TRIBUTYL CITRATE

A plasticizer of low volatility and high water resistance. Its compatibility with resinous and plastic materials is but slightly less than that of the corresponding ethyl ester. Has been found of value in inhibiting discoloration by light of products in which it has been incorporated.

ACETYL TRIETHYL CITRATE

Compatible with a wide range of plastic materials. Considerably less volatile and more water resistant than most ethyl esters. Of particular interest as a plasticizer for cellulose acetate.

ACETYL TRIBUTYL CITRATE

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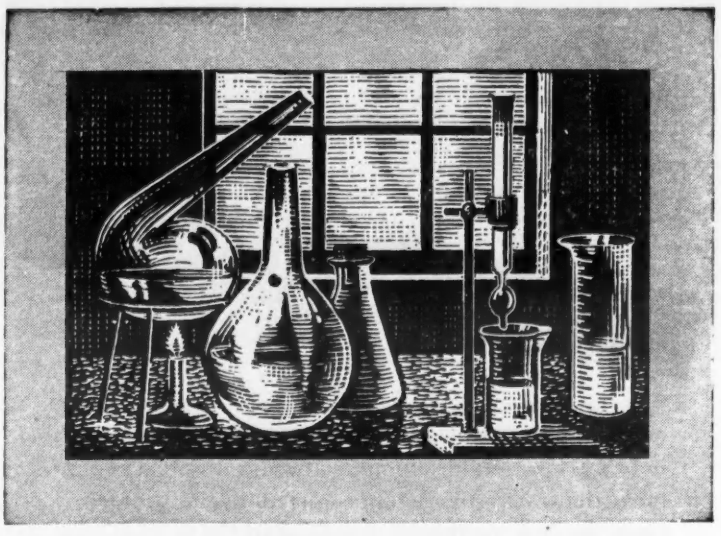

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Heavy Chemicals

Buying interest continued somewhat spotty in the heavy chemical market last week. The supply situation showed that some of the smaller chemicals were in much better supply than the heavy tonnage items. Inventories were decidedly tight in both dry and liquid caustic soda with the rayon mills, petroleum refineries and other large domestic consuming industries taking all current production and asking for more. Dense soda ash was also exceedingly tight, the pressure for bulk shipments to glass furnaces showing no abatement. The glass as well as the enamelling industry was also heavily represented in the movement of borax where production has been taxed to meet demand. According to trade reports, inventories of sulphuric acid have been dented severely by an increased demand coming mostly from the fertilizer trade. Nickel sulphate seems to be getting in shorter supply with each successive week while demand is increasing. Another copper sulphate plant in the Southwest has been closed down on account of labor difficulties. Chlorine remained in liberal supply with an acute shortage of tankcars to move it. The heavily sold ahead condition of zinc sulphate has prevented any easement in the supply position.

Paper production as a percentage of six-day capacity was 101.8 in the week ended March 2, according to the American Paper and Pulp Association. This compares with 98.0 in the previous week and 89.3 percent a year ago.

Ammonia Bicarbonate—Buying interest has been kept in balance with production and the market situation appeared about normal. While the bakeries have been the largest buyers for use as a leavening agent, there has also been a fair inquiry for the manufacture of cleaning compounds, frosted glass and sponge rubber.

Ammonia Bifluoride — No unusual demand at present. Stocks were sufficient to meet requirements for laundry sour and flux use. Present demand looks meager compared with that in progress during the war.

Ammoniac Sal — Maintenance of heavy demand for the manufacture of dry cell batteries has kept the supply situation in the white granular variety tight regardless of a gradual increase in production. There was also a good inquiry for yeast food, leather tannery and dyestuffs.

Antimony Oxide—Met requirements, but the difficulty in securing sufficient ore has tightened the market situation to some extent. Shipments at present are under allocation control.

Borax—This material has shared about the same condition as that of other heavy tonnage chemicals. Enamel, glass insulation, heat resisting glass and ceramic industries that were tied up during the war have been steadily gaining in activity and their orders for borax have poured like an avalanche into the market. The bulk of domestic requirements has been taken care of, perhaps not as rapidly as desired, but the movement has brought inventories to a low level and taxed production capacity. The consequence is a tight market situation at present with the demand holding strong. Comparing the market with that of 1941, it is stated that current demand has increased from 50 to 75 percent.

Carbon Tetrachloride—According to trade reports, a better movement has developed in this market. Demand has been of miscellaneous character covering requirements of dry-cleaners, fire extinguisher fluid producers and manufacturers of plywood where it is used as an adhesive. The inventory position has not weakened under this buying power, there being enough material around to insure prompt shipments.

Cobalt Chemicals — Buyers have been able to cover requirements promptly in carbonate, sulphate and other cobalt chemicals from a satisfactory inventory position. Most of the current movement was reported for use in paint dryers.

Chlorine—Remained in rather free supply with the shortage of tankcars and cylinders still affecting the promptness of shipments from works.

Copper Sulphate—Labor difficulties have crystallized in another strike at a major producing plant in the Southwest. While this is an additional barrier to output in the Pacific Coast area, the effect has been neutralized to some extent by reports that two large producers in the East will increase their production. So far the stockpile has not been dented seriously and is about on even beam with a year ago. The agricultural demand is trickling into the market, but is expected to gain momentum before the end of the month. The supply situation presents a more favorable aspect than appears on the surface. If this additional output is realized, the supply will be sufficient to meet the season's agricultural wants and probably leave some over for export. Then there is the possibility of an early settlement of the labor dispute in the big producing plant in the East and also in the Southwest.

Manganese Dioxide — Continued available for prompt shipment. Buying interest reported about normal with the match industry furnishing the most active outlet at present.

Nickel Carbonate—Found some use for plating, the stringency in nickel sulphate, stimulating some buying interest where a substitute can be used. This carbonate was obtainable.

Nickel Sulphate—Seems to be getting tighter with each successive week. Strike conditions have still kept an Eastern producing plant inactive while shipments from other sources have remained considerably behind contract schedules. Meanwhile, demand for plating use has been constantly expanding.

Potash Carbonate—Has not had time to recover from the recent buying movement of the calcined grade for agricultural use. The low inventory position has kept the market in a tight condition.

Soda Ash—No improvement could be noted in the supply situation in dense ash. Pressure for shipments to the glass industry has over-taxed production for bulk. Labor conditions are responsible to some extent for the scarcity of dense ash in bags as this has to be shoveled in and is not a machine operation. Light ash has remained in fairly good shape to meet demand for bulk and in bags.

Soda Caustic—Shortage of tankcars is adding to the difficulty in distributing liquid caustic soda where production is materially short of current demand. The scarcity of steel drums has also hindered the movement of the dry forms. Producers stated that no new steel can be delivered before April. Some prominent sellers describe the market situation as tighter than at any time on record.

Acids

Acetic — Production of synthetic showed a steady increase during the last quarter of 1945. Output in December registered 22,476,478 pounds against 20,119,693 pounds in November, according to the U. S. Tariff Commission. Production of natural was 1,845,913 pounds, compared with 1,942,981 pounds in the preceding month. The amount of recovered acid in December was 63,616,951 pounds against 60,435,837 pounds in November.

Hydrofluoric—Inventories have been increased by the maintenance of steady production with all grades available for prompt shipment. Recent inquiries have resulted in the placing

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

General Chemicals

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
168.9	168.9	168.9	169.0

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

(For Current Prices see page 9)

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Shippers Research Head

Homer S. Young, formerly chief of the chemical laboratory at the Santa Monica, Cal., plant of the Douglas Aircraft Company, has been named director of the newly-created shipper's research division of the Air Transport Association of America. Primary duties of the new division will be to study and prepare regulations dealing with the safe transportation of hazardous commodities by air carriers.

of some export orders in high-test material.

Naphthenic—Found a normal outlet for various solvent uses. Supplies have remained sufficient to meet the current demand without unusual difficulty.

Nitric—Current production has kept the market in a well balanced position. Stocks are not excessive, but have continued sufficient to meet demand without difficulty.

Oxalic—Advance of the month has not brought about any improvement in buying conditions. The broad extent of miscellaneous inquiry has overlapped the limit of current production and buyers have been forced to book shipments ahead, late April being about the best that can be secured for carlot shipments with sellers prefering the May option.

Sulphuric — Supplies of this acid have shrunk under persistent buying mostly for agricultural use. While several of the largest producers of superphosphate have their own facilities for making acid there are others who are forced to buy in the open market to cover their requirements. The unusually heavy production of superphosphate has taken in most of the slack acid held in reserve and the cutback in acid production has unbalanced the market here and in the South and in other parts of the country. This situation may right itself after the fertilizer movement passes its peak which should be later this month or early in April. According to trade reports it was necessary for some large producers to enter the acid market to secure material to meet their acid contract schedules.

Baltimore, March 8.—There was an absence of new developments in the sulphuric acid business, which proceeded along established lines, with some of the materials scarce and with production costs still tending upward. The transportation outlay also was on the rise, while the manufacture was under the established ceiling for government as well as private use, with the highs set in March, three or four years ago, still in effect. These levels, varied to some extent, but the differences are not large enough to revive the suggestion of making them uniform. The labor issue presented no problem in the industry for the reason that operations are almost entirely mechanical, so that a few workers can keep plants going. So far no intimation has come from Washington that any change in the system is contemplated, with output large enough to take care of the reduced government needs, and some civilian requirements. For the time being there is no effort to re-establish the market on a competitive basis.

Trade Briefs

Hy-Pro Division of Chlorine Inc., Los Angeles, is preparing plans for construction of a new plant in that city.

Kuson, Inc., Henderson, Ky., has been organized by William R. McLain, Earl C. Horton and C. A. Horner for the manufacture of chemicals and chemical compounds.

Russian Advocated In Chemical Studies

Because of the rapidly growing importance of Russian chemical research, Russian should replace German as the principal foreign language in the American college chemistry curriculum, J. G. Tolpin, instructor in technical Russian at Northwestern University, declared in a report to the Chicago section of the American Chemical Society. He said:

At present, many American chemists are missing much valuable information because of their unfamiliarity with Russian chemical literature, the volume of which is second only to that of American chemical literature.

Goodyear Develops New-Type Pliofilm

The chemical products division of the Goodyear Tire & Rubber Company, Akron, Ohio, has developed a new type Pliofilm for frozen foods. Called FF Pliofilm, it remains flexible at 20 degrees below zero.

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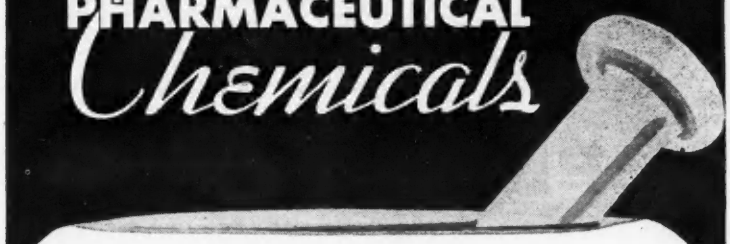

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On McK&R Board

Phyfe

Henry Michaels, vice-president and secretary of McKesson & Robbins, Inc., New York, has been elected a director of the company. He has been connected with the company since 1930 and is the son of the late Charles F. Michaels, formerly chairman of the board of directors.

Flavor Makers Meet In Chicago June 2-4

The thirty-sixth annual convention of the Flavoring Extract Manufacturers' Association will be held at the Drake hotel, Chicago, June 2-4.

Knight Heads Penna. Salt Washington Office

The Pennsylvania Salt Manufacturing Company, Philadelphia, has appointed G. Webber Knight manager of the Washington, D. C. office. He has been with the company for twenty-one years.

British Geon Ltd. Formed

British Geon Ltd. has been formed in the United Kingdom by the B. F. Goodrich Chemical Company, Cleveland, and Distillers Company Ltd., England, for the manufacture of plastic materials and copolymers.

Chemical Salesmen To Meet March 20

The Salesmen's Association of the American Chemical Industry will hold a luncheon meeting in the Roosevelt hotel, New York, March 20. The speaker will be Dr. R. S. Aries, consulting engineer and lecturer on chemical economy at the Polytechnical Institute of Brooklyn. Dr. Aries will indicate the technique of market research and how it can facilitate the work of the manager and salesman.

Dr. Aries, a former research associate at Yale University, had been serving as technical and economic consultant to various chemical and related industries. He is also field director of the Northeastern Wood Association Utilization Council. Reservations are in charge of Jack Seidler, of Whittaker, Clark & Daniels, Inc., 260 Broadway, New York, who is chairman of the entertainment committee.

Hollingshead Names Bagley Executive Vice-President

T. J. Bagley, a vice-president, has been elected executive vice-president of the R. M. Hollingshead Corporation, household cleaners and disinfectants, Camden, N. J. L. M. Olson has been elected vice-president in charge of the Whiz automotive division, and C. R. Ferris secretary of the company, in addition to retaining his duties of assistant treasurer.

Bradway Heads du Pont Nitrocellulose Division

E. I. du Pont de Nemours & Co., Wilmington, Del., has appointed F. W. Bradway manager of its newly-organized nitrocellulose and sporting powder division, and J. M. Skilling director of production for the new department. The company has discontinued its military explosives division.

Westinghouse to Sell Insecticide Dispenser

The Westinghouse Electric Appliance Division, Mansfield, Ohio, has completed plans for sale and national distribution of the Westinghouse Bug Bomb, aerosol insecticide dispenser. Harry S. Mills has been named manager of the newly-formed insecticide department, and R. E. Ditsler merchandise manager.

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Du Pont Research Expansion Told

Plans for expansion of manufacturing capacity and research facilities involving thirty-five construction projects were disclosed in the 1945 annual report to stockholders of E. I. du Pont de Nemours & Co., Wilmington, Del. Net income for the year was reported as $77,500,000, equivalent to earnings of $6.29 per share on the common stock after payment of dividends on the preferred stock. Earnings in 1944 on common stock were $6.60 per share.

The full scope of the war production role of E. I. du Pont de Nemours & Co. was revealed in a special report to stockholders from W. S. Carpenter, jr., president.

During each of the last three war years, the company increased its production of chemical materials from its own plants to more than double 1939 levels. Included were nylon, plastics, rayon yarn, dyestuffs, industrial chemicals of many types, finishes, insecticides, fertilizers, pigments, photographic film, and a variety of other chemical products.

In addition, du Pont built for the government 54 plants of various sizes at 32 different locations. Total cost of these facilities engineered, designed and constructed for the government by du Pont's enginering department was $1,034,000,000.

Du Pont - operated, government-owned plants produced military explosives, ammonia, methanol, neoprene synthetic rubber and various chemical specialty materials with a total value of $895,000,000.

Dewey & Almy Appoints Shanklin to Research Post

Dewey & Almy Chemical Company, Cambridge, Mass., has appointed Dunbar L. Shanklin to the newly-created post of assistant director of the research laboratories, in charge of container sealing research. Mr. Shanklin, who has been with the company since 1924, has been manager of the container division since 1930. George W. Blackwood, his assistant in that division since 1941, succeeds him as manager.

Wilmington Chemical Assigns Three Area Representatives

Joseph M. Hoopes, formerly with E. I. duPont de Nemours & Co., Wilmington, Del., will represent the Wilmington Chemical Corporation, New York, in the New England area. Rolf G. Grote will cover the territory from southern New Jersey to North Carolina for the company, and R. J. Davidson, recently released from the Royal Canadian Air Force, will handle the Canadian-Buffalo territory.

Goodrich Forms Export Division

The International B. F. Goodrich Company has been established to export Goodrich products and operate affiliated manufacturing plants outside the United States. Stanley W. Caywood, general manager of the company's foreign activities, has been named president of the new division. Headquarters will be in Akron, Ohio, with branches in New York and San Francisco.

Teisseire Arrives From Portugal

Pierre Teisseire, managing director of Institute Pasteur de Liboa, which represents many American drug and chemical companies in Portugal, with offices in Lisbon, is in the United State on a business trip. While here he is making his headquarters at the office of his firm's American agent, Chas. L. Huisking & Co., manufacturers' representatives, New York.

Netherlands Importer In U.S. on Business

Christiaan Smit, manager of Keyser & Mackay, importers and manufacturers' agent, Amsterdam, Holland, is now in the United States, and will remain until the end of May. He is interested in colors, dyes and chemicals. Mr. Smit may be contacted at the Netherlands Chamber of Commerce, Rockefeller Plaza, New York.

DDT powder is being manufactured in Japan as an important step in that country's disease control program.

Continental Can Names Two Vice-Presidents

T. C. Fogarty, general manager of the Eastern division of the Continental Can Company, New York, has been elected vice-president in charge of sales, according to H. A. Eggerss, executive vice-president. P. E. Pearson, formerly vice-president in charge of equipment, development and research has been made vice-president in charge of operations. Allan M. Cameron has been elected vice-president in charge of equipment, development and research. Mr. Cameron is also president of the Cameron Can Machinery Company, Chicago, which Continental acquired in 1944.

In the picture are:—T. C. Fogarty, new vice-president in charge of sales; Allan M. Cameron, new vice-president in charge of equipment, development and research; W. H. Funderburg, retiring vice-president in charge of sales; Hans A. Eggerss, executive vice-president; J. F. Egenolf, retiring vice-president in charge of manufacture; and Paul E. Pearson, vice-president now in charge of operations.

Monsanto to Expand Canadian Polystyrene Production

Monsanto (Canada) Ltd., Montreal, subsidiary of Monsanto Chemical Company, St. Louis, Mo., has under construction a polystyrene plant whose output is expected to greatly exceed Canada's prewar requirements. The plant is expected to be in production sometime this year.

Hood Chemical Elects K.P. Dietrich President

Kenneth P. Dietrich, formerly manager of merchandising and specialty sales for the Diamond Alkali Company, Pittsburgh, has been elected president of the Hood Chemical Company, New York. Leonard S. Mudge, George Wasser and William S. Walker have been elected to Hood's board.

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2, 4-D

2, 4—Dichlorophenoxyacetic Acid — Sodium Salt

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Other BARIUM SALTS

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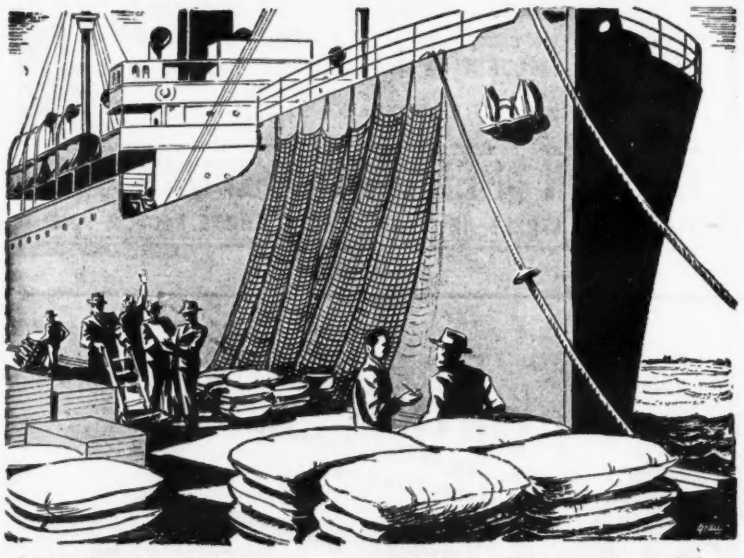
CHEMICAL PRODUCTS CORPORATION

CARTERSVILLE, GA.



MOVE MATERIALS FOR WAR AND PEACE IN *Fulton* WATERPROOF COTTON AND BURLAP PAPER LINED BAGS

Fulton Bags carry through. It takes a tough moisture resistant bag to get there in good shape, protecting its contents under all loading and shipping conditions. The waterproof paper lined cotton and burlap must be of even strength—the bag seaming must be dependable and stand up under the pressure of weight and handling. Our plants have supplied millions of bags for use in combat areas. Back here at home bags must move a long list of essentials ranging from hygroscopic chemicals to food items. Many Fulton Waterproof Paper Lined Bags are replacing containers made of critical materials—metal drums, wooden boxes and barrels. We will continue to serve for war and the home front to the limit of our ability.

FULTON BAG & COTTON MILLS

Manufacturers Since 1870

Atlanta St. Louis Dallas
Minneapolis New York New Orleans Kansas City, Kan.

Obituaries

—Continued from page 4

Carlsbad, which, in 1925, gave evidence of the presence of water soluble potash, production of which has been limited largely to Germany and France. Exploiting the find, Mr. McSweeney and his associates organized the corporation which became the United States Potash Company.

Dr. M. A. Ramirez

Dr. Maximilian A. Ramirez, president of the Medical Society of the County of New York in 1942, was found dead March 4 in his room at a New York hotel. He was fifty-three years old. Dr. Ramirez had been undergoing treatment for a heart ailment, and police attributed his death to natural causes.

Alfred R. Rider

Alfred Ross Rider, secretary and a director of the Tilden Company, pharmaceutical manufacturer, New Lebanon, N. Y., died in Pittsfield, Mass., March 2. He was seventy years of age.

Abram De Ronde

Abram De Ronde, founder of both the A. De Ronde & Co., chemical and dyestuffs manufacturer, New York, and the Beachwood Chemical Company, Parkersburg, W. Va., died in Orlando, Fla., March 2. He was eighty-nine years old. Mr. De Ronde was president of the firms from 1884 until 1902, when he sold his interests to enter the banking business.

John L. Thurston

John L. Thurston, a retired vice-president of the Hildreth Varnish Company, former New York paint manufacturer, died in White Plains, N. Y., March 1. He was seventy-nine years old.

Alfred Fischer, from 1927 until 1938 head of the advertising department of the Semet-Solvay Companies, subsidiaries of the Allied Chemical & Dye Corporation, New York, died March 1 in East Orange, N. J. He was fifty-eight years old.

Berry Sweetman, general line salesman in Continental Can Company's Los Angeles district for eighteen years, died recently of a heart attack.

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STANDARD VOLUMETRIC SOLUTIONS

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More and more, America's most *exacting* and *progressive* research laboratories are using Acculute standard volumetric solutions daily for their *convenience, proven accuracy,* and *reliability.*

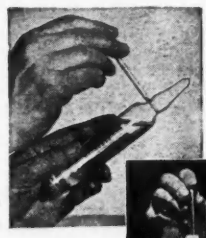
Acculute sealed ampoules contain precise equivalents, in concentrate, of the stated normality. The standard volumetric solution is prepared by diluting contents to 1000 ml. No subsequent standardization is required.

The solutions in Acculute ampoules are permanently stable. Stocking Acculute assures having on hand, when needed, a variety of substances and normalities to fill instant requirements of analytical work.

Caustic solutions are supplied in paraffin ampoules, others in resistant glass as shown.

The opening of Acculute ampoules by heating and using the glass rod supplied, as illustrated, is simple and quick—no special breaking or washing apparatus is required.

Complete instructions are supplied with each ampoule about uses, titration procedures, indicators, and end points, insuring uniformity in titrations.



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Textile and Leather Chemicals

Highlight of the textile and leather chemicals market during the week, was the resumption of the production of corn dextrin and starch at the three mills which were closed by strikes during the past six weeks. A heavy backlog of orders had been built up during that period, and it was pointed out that it would take several months before deliveries could reach their former volume. Demand for all materials continued urgent and exceeded supplies.

Though tanners continued to show an active inquiry for tanstuffs for nearby delivery, trading continued dull. Offerings of most materials for shipment were scarce, with the exception of myrobalans, which were available at former levels and some business was reported for nearby delivery. Demand for quebracho extract and wattle bark and extract continued urgent, but offerings from primary centers were scarce, being limited to small lots.

Limitations on the purchase of finished piece goods by producers of coated fabrics were removed by a new interpretation of MPR 127, it was announced by OPA, March 4. Producers of coated fabrics in which the fiber content is less than 75 percent by weight are permitted to buy finished goods at the convertors markup. Members of the industry pointed out to the OPA that most pyroxylin-coated fabrics contained less than 74 percent of fiber by weight and for this reason were not finished piece goods.

Chemicals

Alumina Hydrate — Trading was moderate and mainly for prompt needs. Market was steady and unchanged.

Bichromates—Production of bichromates was moving steadily into consuming channels against contracts and the demand continued to exceed the supply. An urgent call for export was unsatisfied. Prices were unchanged at ceilings.

Potash, Prussiate — Steady demand noted for prompt requirements. Deliveries against orders also were in good request. Quotations were firm and unchanged.

Soda, Hydrosulphite — Consuming demand continued in good volume during the week. Withdrawals against orders also were in demand. Quotations were well held.

Sulphonated Oils—An urgent demand was noted for all grades. Supplies were scarce and quotations were firm at ceilings.

Dyestuffs

Annatto Seed — Advices from Jamaica stated that the market there was firmer and shipments were held at 12c. per pound. Demand for spot supplies was light and confined to small lots.

Cochineal—Trading was restricted on the spot owing to scarcity of supplies. Prices were firm and unchanged.

Madder—Small lots were in fair request. Quotations were unchanged.

Sizing Materials

Albumen, Blood—Inquiry for nearly delivery was more active. Moderate quantities were in good request against former orders. Prices were unchanged and steady. Soluble blood, dried demand was mainly for small quantities.

Albumen, Egg—Buying interest continued keen during the week at the lower price ceilings, but the scarcity of supplies restricted business to small lots. Little improvement in the supply situation was expected until the latter part of next month. New production has begun in the Southwest with demand exceeding the present light output. Dried egg production during January totaled 264,000 pounds, compared with 15,646,000 pounds during January last year. This was the smallest since January, 1941, when only 73,000 pounds were produced. Production during 1946 is expected to be comparatively light. The government contemplates no buying of dried egg for its own use, unless it becomes necessary to support egg prices. In the Middle West where most of the egg drying plants are located, the support price has been set to bring the producer an average price of 27 cents a dozen. Foreign countries have purchased approximately 25,000,000 pounds of dried egg through the Department of Agriculture for delivery this year.

Dextrin, Corn—Production was resumed at three mills which were shut down for the past six weeks by strikes. Meanwhile the orders for corn derivatives have mounted and it was reported that it will take several months before deliveries could reach previous levels. Market was firm.

Egg Yolk—Small supplies on the spot continued to limit trading. Demand was active for both spot and nearby delivery. Offerings of new production were meager as yet, with demand exceeding available stocks. Market was firm with quotations unchanged at lower ceilings. Production of egg yolk in January was indicated at 202,000 pounds against 31,000 pounds during the same month last year.

Starch, Corn — Three mills which were shut down by strikes resumed operations during the week. This will accelerate the production, though it will take a long time to fill the heavy backlog of orders. Consuming demand was urgent. Visible corn supplies were again increased 2,236,000 bushels and totaled 24,896,000 bushels, compared with 20,678,000 bushels, a year ago, according to the Chicago Board of Trade.

Starch, Potato — Consumers continued to show an active inquiry for all positions. Production was sold up and offerings were light. Market was firm at ceilings.

Tapioca Flour — Arrivals of 10,150 bags from Brazil were consigned against former orders, and resale material on the spot was practically nil. Prices were entirely nominal at ceilings.

Tanning Materials

Divi Divi—Limited offerings from points of origin continued to affect trading during the week. Consuming inquiry was quite active. Sizable quantities recently were taken for European account reducing the quantity available for shipment. Prices were unchanged and firm.

Mangrove Bark—This market was steady, with business light and spasmodic owing to the scarcity of offerings for shipment. Inquiry was keen and quotations were well maintained at current levels.

Myrobalans — Available supplies at primary centers have increased with business reported fairly active. Shipments were well held at $57 per ton, exdock U. S. ports. A good inquiry was in the market. Arrivals amounted to 9,500 bags at New York during the week, for delivery on prior contracts.

Quebracho Extract — Tanners continued to show an active inquiry for replacements for the second quarter of the year. Offerings from primary centers continued scarce, and the market there was firm at ceilings. Trading for European account has been active of late at higher prices than American ceilings. Arrivals totaled 10,185 bags at New York during the week and were consigned against prior contracts.

Wattle Bark—Buying interest continued keen for prompt and nearby shipment, but offerings for shipment were scarce, and trading continued dull. Tanners were in the market for all positions. Reports from Africa stated that the recent drouth has reduced the output, the bulk of which had been booked for British account.

Market Trends

Prices Advanced

None

Prices Reduced

Egg albumen, 13c. per lb.
Egg yolk, 4c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
288.5	299.4	299.4	279.7

(For Current Prices see page 9)

For Late Market Developments, See Page 4

ALBUMENS

WAR FOOD ADMINISTRATION ACHIEVEMENT "A" AWARD

PRESENTED TO THE MEN AND WOMEN OF H. GARTENBERG & COMPANY PLANT NO. 2 FOR THEIR OUTSTANDING RECORD IN THE PRODUCTION OF "FOOD FOR FREEDOM"

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PHOSGENE
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Mutual Bichromates
BICHROMATE OF POTASH
BICHROMATE OF SODA
CHROMIC ACID
MUTUAL CHEMICAL COMPANY OF AMERICA
270 MADISON AVENUE NEW YORK 16, N.Y.

Recent Imports

—Continued from page 4

GUM, KARAYA—533 bgs, Jacques Wolf & Co
133 bgs, Wessel, Duval & Co
333 bgs, Gold Medal Haarlem Oil Co
127 bgs, J H Brown Agencies
1,133 bgs, Innis, Speiden & Co
LOCUST BEAN—100 bgs, Stein, Hall & Co
OLIBANUM—30 cs, Edwin W Weil Corp
50 bgs, W McDonagh & Son
50 bgs, W M Allison & Co
100 bgs, Frank Vliet Co
67 bgs, Norwalk Mills
10 cs, Bank of London & South America
PERILLO—120 cs, Chicle Development Co
TEXTILE—120 cks, J P Marston & Co
60 bgs, J P Marston & Co
TRAGACANTH—53 bgs, Tragacanth Importing Co
710 bgs, Khosrovaschahi & Co
119 kgs, McKesson & Robbins
1 cs, McKesson & Robbins
HENNA LEAVES, PWD—157 bgs, S B Penick & Co
ILMENITE SAND—9,400 tons, National Lead Co
IRON ORE—100 cks, Armour & Co
OXIDE—90 cks, C J Osborn & Co
IRISH MOSS—300 bls, Chase National Bank & Trust Co
JABORANDI LEAVES—70 bls, Inland Alkaloid Co
JUNIPER BERRIES—111 bgs, Rohner Gehrig & Co
41 bgs, Irving Trust Co
KAMALA—85 bgs, R J Prentiss & Co
KYANITE—750 tons, C Taylor Sons & Co
200 tons, Smith, Wrighman & Co
LAC, GARNET & SHELL—300 bgs, Wm Zinsser & Co
REFUSE—500 bgs, Ralli Bros
LAC, SEED—300 bgs, Ralli Bros
300 bgs, Dings & Schuster
150 bgs, Wm Diehl & Co
250 bgs, Paul & Stein Bros
325 bgs, Mac Lac Co
1,075 bgs, Schwab Bros Co
200 bgs, Gillespie-Rogers-Pyatt Co
SEED & SHELL—806 bgs, Wm Diehl & Co
SHELL—830 bgs, Wm Zinsser & Co
600 bgs, Mac Lac Co
275 bgs, Paul & Stein Bros
1,055 bgs, Wm Diehl & Co
250 bgs, Cornelis & Suhr
200 bgs, Dings & Schuster
700 bgs, Gillespie-Rogers-Pyatt Co
MAGNESIA CARBONATE—100 bgs, Schofield Donald Co
MANGANESE, DIOXIDE—101 bgs
ORE—3,400 tons, E J Lavino & Co
1,860 tons, Carnegie Illinois Steel Co
2,000 tons
MANIOC FLOUR—2 bgs, Lenape Trading Co
MICA—505 cs, J F Garneau Co
420 cs, Ford Radio & Mica Co
93 cs, E Munsell & Co
BLOCK—264 cs, United States Commercial Co
115 cs, Eugene Munsell & Co
SPLITTINGS—182 cs, United States Commercial Co
325 cs, Cornelis & Suhr
410 cs, Eugene Munsell & Co
MONAZITE SAND—2,300 bgs, C Tennant Sons & Co
2,000 bgs, Maywood Chemical Works
MUSTARD BEAN—720 bgs, Atlantic Sales Corp
SEED—220 bgs, Colonial Trust Co
440 bgs, W E Martin & Co
MYROBALANS—400 bgs, Guaranty Trust Co
3,840 bgs, Barkey Importing Co
2,666 bgs, Vermilye Co
2,666 bgs, Hammond & Carpenter
NIGER SEED—128 bgs, Otto Gerdau Co
OIL, ANISE—5 dms, Dodge & Olcott Co
10 dms, Ungerer & Co
7 dms, W J Bush & Co
2 dms, McKesson & Robbins
5 dms, Ungerer & Co
CALAMUS—1 tin, W J Bush & Co
CARAWAY—1 ck, Lo Curto & Funk
CASSIA—5 dms, Barclay Bank
10 dms, J Berlage Co
1 dm, Dodge & Olcott Co
6 dms, Pacific Vegetable Oil Co
CASTOR—500 dms, Harrison & Crossfield
500 dms, Brown Linseed Corp
175 dms, Murray Oil Product Co
500 dms, N Wolloch
COD—25 cks, Bowring & Co
75 dms, Bowring & Co
15 dms, E F Drew & Co
15 dms, National Oil & Chemical Product Co
COTTONSEED—223,529 kilos, United States Commercial Co
505 dms, Commodity Credit Corp
CYMBARUM—92 dms, Otto Gerdau Co
9 dms, Ungerer & Co
DIESEL—27,679 bbls, Asiatic Petroleum Corp
ESPARTILLO—2 dms, Fritzsche Bros
FUEL—98,632 bbls, Mexican Petroleum Corp
91,413 bbls, Standard Oil Co of N J
36,374 bbls, Asiatic Petroleum Corp
GERANIUM—2 cks
GUAIACWOOD—25 cs, Magnus, Mabee & Reynard
LAVENDER—14 bbls, French Line
14 dms, Dodge & Olcott Co
OITICICA—255 dms, L N Jackson & Co
PALM—901 tons, Balfour, Guthrie & Co
PALMAROSA—8 pots, Dodge & Olcott Co
PETITGRAIN—11 dms, Bunge Corp
6 dms, Rouse Dupont
16 dms, J D Walsh
25 cs, Dodge & Olcott Co
25 cs, Bush Aromatics, Inc
ROSEMARY—10 dms, Dodge & Olcott Co
OIL, ROSEWOOD—33 dms, Corn Exchange Bank & Trust Co
& Trust Co
6 dms, Polak & Schwarz
5 dms, Dodge & Olcott Co
4 dms, Tamborel Product Corp
10 dms, Ungerer & Co
4 dms, Felton Chemical Co
SANDALWOOD—5 cs, Felton Chemical Co
SASSAFRAS—45 dms, Dodge & Olcott Co
23 dms, Givaudan-Delawanna
TUNG—100 dms, Pacific Vegetable Oil Co
230 dms, Balfour, Guthrie & Co
OX GALLS—4 cks, Eli Lilly & Co
70 cks, Ciba Pharmaceutical Prod, Inc
5 trcs, Wilson Laboratories
PETROLEUM, CRUDE—332,294 bbls, Gulf Oil Corp
221,073 bbls, Standard Oil Co of N J
62,333 bbls, Imperial Oil, Ltd
POPPYSEED—391 bgs, Becker-Mayer Seed Co
198 bgs, R F Downing & Co
249 bgs, R J Spitz & Co
PYRETHRUM FLOWERS—6,930 bls, United States Commercial Co
QUEBRACHO EXTRACT—10,185 bgs, Tannin Product Export Co
RESIN, VEGETABLE—83 cs, L W Dumont & Co
7 cs, Chicle Development Co
125 cs, Wessel, Duval & Co
SENNA LEAVES—58 bls, S B Penick & Co
256 bls, R J Prentiss & Co
SHARK LIVERS—100 cans, Wilbur Ellis & Co
24 bbls, Wilbur Ellis & Co
SOAP BARK—566 bls, R J Prentiss & Co
428 bls, S B Penick & Co
TANTALITE—164 bgs, Sussex Trading Co
TAPIOCA FLOUR—1,250 bgs, Java American Export Co
2,000 bgs, Morningstar Nicol, Inc
500 bgs, Geismar & Co
300 bgs, Arnold Hoffman Co
5,200 bgs, Stein, Hall & Co
902 bgs, L Oppenheimer & Co
TEAWASTE—3,986 bgs, Maywood Chemical Works
TONKA BEANS—8 bbls, Dodge & Olcott Co
8 bbls, Machardo & Co
TUNGSTEN—998 bgs, African Metal Corp
TURMERIC—474 bgs, A G Dunn
67 bgs, Old Dutch Co
200 bgs, E G Svikhart
283 bgs, W E Martin & Co
112 bgs, Knickerbocker Mills Co
168 bgs, S B Technical Co
VALERIAN ROOT—70 bgs., Kachurin Drug Co
66 bgs, Peek & Velsor
19 bgs, Wessel, Duval & Co
135 bgs, J H Brown Agencies
104 bgs, R J Prentiss & Co
YEAST EXTRACT—20 cs, American Express Co
WAX, BEES—46 bgs, D Steengrafe
14 bgs, Geck Trading Co
200 blocks, Paul & Stein Bros
111 blocks, L Luzzatto Co
268 blocks, E A Bromund Co
47 blocks, Cornelius Product Co
178 blocks, Bank of the Manhattan Co
969 blocks, Chemical Bank & Trust Co
96 blocks, Innis, Speiden & Co
675 blocks, H D Sheldon Co
482 blocks, Strohmeyer & Arpe Co
50 bgs, Wm M Allison & Co
100 bgs, Mercantile Metal & Ore Corp
124 bgs, Innis, Speiden & Co
157 bgs, Will & Baumer Candle Co
93 blocks, Duncan, Fox & Co
CARNAUBA—92 bgs, Wm M Allison & Co
171 bgs, Strohmeyer & Arpe Co
243 bgs, Baird Rubber & Trading Co
353 bgs, Wessel, Duval & Co
222 bgs, Geismar & Co
22 bgs, E A Bromund Co
151 bgs, Davies Irvin, Ltd
78 bgs, T G Cooper & Co
85 bgs, Wax & Rosin Product
222 bgs, Cornelius Product Co
24 bgs, Philipp Bros
63 bgs, Marine Midland Trust Co
272 bgs, Fred Henjes jr
293 bgs, W R Grace & Co
175 bgs, Mercantile Metal & Ore Corp
825 bgs, S C Johnson & Son
768 bgs, American Cyanamid & Chemical Corp
435 bgs, Innis, Speiden & Co
112 bgs, W Looser & Co
116 bgs, Smith & Nichols
OURICURY—56 bgs, Wm M Allison & Co
23 bgs, Cornelius Product Co
80 bgs, Wax & Rosin Product, Inc
63 bgs, Innis, Speiden & Co
176 bgs, Strahl & Pitsch
233 bgs, Wessel, Duval & Co
125 bgs, F B Ross & Co
179 bgs, W R Grace & Co
538 bgs, American Cyanamid & Chemical Corp
VEGETABLE—18 bgs, Paul & Stein Bros
WHITING—3,200 bgs, Nicholas H Weltizner
WINE LEES—200 bgs, Tartaric Raw Material, Inc
WOOL GREASE—200 dms, Hummel Chemical Co
16 dms, Lunham & Reeve

Baltimore Imports

ACID, CRESYLIC—553,350 lbs
ANGELICA ROOT—2,240 lbs
ANTIMONICAL LEAD—160,924 lbs
ARROWROOT—350,365 lbs
ARSENIC—22,800 lbs
ASPHALT—765,604 lbs
CALAMUS ROOT—5,184 lbs
CARBON POWDER—46,923 lbs
CUBE ROOT—41,287 lbs
GLUESTOCK—53,569 lbs
GLYCERIN, REFD—783,188 lbs
GUM PENDARE—10,755 lbs
LAC, SEED—37,114 lbs
SHELL, BLEACHED—235,200 lbs
MAGNESIUM TRISILICATE—7,700 lbs
MANGANESE SULPHATE—17,115 lbs
NITROGENOUS MATERIAL—65,963 lbs
OIL, FUEL—188,166,816 lbs
PETROLEUM, CRUDE—88,292,880 lbs
QUEBRACHO EXTRACT—1,854,862 lbs
TARA PWD—55,115 lbs
WAX, BEES—76,291 lbs
WITHERITE, UNGROUND—338,250 lbs
WOLFRAM CONCENTRATES—6,610 lbs

ONE OF A SERIES OF PRODUCT PROBLEMS . . . SOLVED WITH A PHOSPHATE

HOW A

VICTOR PHOSPHATE

SOLVED A

PENETRATION

PROBLEM

GOT A PROBLEM?

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PHOSPHATE from VICTOR

PARTIAL LIST OF VICTOR CHEMICALS

Acids . . . formic, metaphosphoric, oxalic, phosphoric, polyphosphoric.

Formates . . . aluminum, sodium, sodium boro-.

Metaphosphates . . . aluminum, ethyl.

Orthophosphates . . . ammonium, calcium, iron, magnesium, potassium, sodium.

Oxalates . . . calcium, sodium.

Phosphorus . . . (yellow).

Ferrophosphorus

Phosphorus Compounds . . . chlorides, pentoxide.

Pyrophosphates . . . calcium, sodium acid, sodium iron, tetrapotassium, tetrasodium.

Sulphates . . . magnesium, sodium aluminum.

VICTAWET 12

Description

Physical State . . . Liquid.

Color . . . Amber.

Specific Gravity . . . 1.121 (28° C).

pH . . . 4.7 (0.5% solution).

Analysis . . . 16.0% P_2O_5.

Surface Tension . . . 28.8 dynes/cm (0.2% solution at 29° C.)

Solubility . . . Insoluble in naphtha. Soluble in alcohols, acetone, toluene; milky solution in water; non-foaming.

Draves Test . . . 9.2 sec. at 0.6% conc.; 32 sec. at 0.2% conc. (in hard water).

Victor wetting agents have solved many problems where complete and rapid penetration is necessary. During the war years, difficulties encountered in the package dyeing of nylon cakes proved to be a serious bottleneck. Because of imperfect penetration, the nylon cakes were dyed in uneven and erratic shades. It was often necessary to unwind the yarn into skeins, re-dye, and then rewind the nylon. Any skeins which became snarled, meant a serious loss. Attempts to use ordinary wetting agents produced excessive foaming and did not solve the penetration problem.

Victor laboratories investigated the problem, and tests using many other well known wetting agents were conducted without success. Then a new Victor surface-active agent, Victawet 12, was tried. The results were so satisfactory that a series of plant runs in Franklin machines were made. The one pound nylon cakes showed thorough penetration of dyes with even, level shades. Additional runs proved Victawet 12 to be compatible with both acid and chrome dyes. The non-foaming characteristics of Victawet 12 speeded up the operation and it proved to be an excellent dye carrier as well as a penetrant.

Many other penetration problems have been solved with Victor surface-active agents. If you have a problem, think first of a phosphate from Victor.

VICTOR CHEMICAL WORKS

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Agricultural Chemicals

No excess stocks of any basic fertilizer materials exist at the present time. Demand from mixers as well as farmers has drained supplies and requirements at present are dependent chiefly on current production. While many suppliers have adopted a policy of allocating materials, the Potash Producers Industry Advisory Committee has made a proposal to the Civilian Production Administration to place primary potash salts back under allocation as a means of equitably distributing this basic ingredient for fertilizer use. Labor shortages are given as a reason for delays in phosphate rock shipments from mines, although it is stated that all stocks above ground have been moved. Acidulators have also complained about the tight position that has developed in sulphuric acid. Shipments of nitrate of soda are behind schedule. Sulphate ammonia output has shown a sizable falling off and from the present outlook, the fertilizer trade is not going to get much of the smaller items, such as dried blood, bone meal and tankage. In general, the demand is getting away from the supply limit, yet CPA asserts that farmers will have more total plant food during the present year than ever before.

A large explosive plant at Fort Robinson, Ontario, has been converted to capacity production of ammonia nitrate fertilizer, according to advices from Montreal. The process used is a Canadian-developed method of producing a granular material suitable for fertilizer use.

Nitrogenates

Ammonia Sulphate — Steel mills have resumed making shipments of this material but there is no chance of retrieving lost production and the supply is going to be short by 20 to 25 percent. Short shipments accompanied by the delay in reaching fertilizer mixers is the cause for considerable concern as there seems to be no suitable substitute available at the present time.

Castor Pomace—Current production has continued to find an outlet through regular consuming channels, leaving the open market practically bare of additional offerings. Judging from the amount of buying orders in the market, a sizable volume of business could be placed if material was available. Over 80,000 bags of castor beans arrived last week.

Soda Nitrate—It is expected that arrivals of Chilean nitrate will be delayed this month on account of recent labor difficulties which affected to some extent capacity production at the plants. Suppliers will allocate stocks but may have to wait until later in the month to make deliveries. Demand has remained active, with a tendency toward further expansion, both for domestic and imported material, while the market situation has continued definitely tight.

Phosphates

Phosphate Rock — Market position has continued tight and seems to be getting tighter. Demand has taken most of the rock above ground and requirements were dependent upon current production to a large extent. Labor conditions have worked against increasing output, and it is said to be doubtful if any surplus can be accumulated this side of June 30.

Superphosphate — Heavy consumption of this material has kept inventories low, and late buyers are finding a lot of difficulty in securing additional lots. Increased production appears to have been more than matched by demand, and the market has shown no sign of easing from its former tight position. Acidulators have just about drained sulphuric acid reserves at various points in the South, and stocks have been exhausted.

Potashes

Fertilizer mixes as well as other regular consumers are getting their contract shipments of muriate from a production that has been sustained around peak levels. The heavy call for mixed fertilizers has occasioned a rapid absorption of muriate and prevented any stock accumulations. Sulphate of potash supplies are not sufficient to meet demand of tobacco planters and these interests have bought all the available calcined carbonate of potash to fill in as a substitute. The general movement has not been hampered by transportation difficulties as the boxcar situation is not a problem at present. The expanding tendency of demand for the basic potash salts has inspired a proposal to the Civil Production Administration by the Potash Producers Industry Advisory Committee to place these materials back under allocation until the current excessive demand assumes a more normal state.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

(For Current Prices see page 9)

Markets at Other Centers

Baltimore, March 8.—Fish Scrap—There may be some of this ammoniate carried over for the new planting season, but all the indications point to a shortage in this as well as in other plant foods. The production of scrap during the past season did not touch a high figure, and in addition a considerable proportion of scrap was bought up by Middle Western concerns for conversion into meal and the production of poultry and live-stock feed. The ceiling price was unchanged at $1.21 per unit of protein material.

Chicago, March 8.—Good call was reported for most grades of nitrogenous fertilizer materials. Offerings still were not large. Buying has tended to be less active on some materials, but by and large the feeling was good and the market tone steady. Blood was firm. Tankage still tight and held its own. Bone materials were steady. Dried Blood—Principal grade, $5.53 per unit of ammonia. Bone Materials—Ground, steamed bone, 3 and 50 percent, $35 per ton; cattle jaws, skulls and knuckles, $44 to $45; dry, rendered tankage, $1.25 per unit; 50 percent meat and bone scrap, $68 to $70.

Los Angeles, March 8.—This market remained unchanged the past week. All agricultural chemicals were in good demand, but supplies remained extremely short. There were no price changes reported. Ruling prices are:—Ammonia nitrate, $65 per ton with freight allowances up to $4.40 per ton from production plant. Ammonia phosphate, $48 per ton for 16/20 grade and $57 for 11/48, delivered at production plant. Ammonia sulphate, $38 per ton with freight allowances up to $4.40 per ton from California plant; Canadian material on same basis.

Insecticides

No unusual developments in insecticides and fungicides were revealed during the past week. Producers have continued to build up reserve stocks while buying interest is gradually increasing. Stocks of DDT are somewhat freer owing to the maintenance of heavy production. Demand has shown more activity since the beginning of the month and this may prevent any further accumulation of supplies. Production of DDT in the U. S. in December amounted to 3,183,288 pounds, compared with 3,371,788 pounds in the preceding month.

Advices from Tokyo state that DDT production has been started by the Japanese who are also making notable strides in their production of supplies for disease control.

Sulphur and Pyrites

Production of native sulphur again exceeded mine shipments in January, continuing a trend begun in September, 1945, according to reports of producers to the Bureau of Mines. Producers' stocks continued to increase and were the highest since 1944. January production amounted to 318,722 long tons, compared with 331,843 tons in December. Stocks on January 31 were 4,060,461 tons against 4,003,917 tons at the end of December, and 4,034,453 tons on January 31, 1945.

For Late Market Developments, See Page 4

SUNSHINE STATE POTASH
A PRODUCT OF NEW MEXICO U.S.A.
MURIATE OF POTASH 62/63% K2O ALSO 50% K2O
MANURE SALTS 22% K2O MINIMUM
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The SALT of the EARTH
RED MURIATE
OF POTASH

BUSIEST and BIGGEST

This has been PCA's busiest year; also its biggest.

We're proud of our 44-45 record and of the growth this year has brought... proud too of the *three* white stars on our Army-Navy "E" flag, awarded for meritorious service. Also we're proud of our friends in the fertilizer industry. We say "thank you" for your confidence, your patronage, and the pleasant relationships we mutually enjoy. We pledge our best efforts to continue to deserve them.

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POTASH COMPANY of AMERICA
CARLSBAD, NEW MEXICO
GENERAL SALES OFFICE... 50 Broadway, New York, N. Y.
MIDWESTERN SALES OFFICE... 612 Lehman Building, Peoria, Ill.
SOUTHERN SALES OFFICE... Mortgage Guarantee Building, Atlanta, Ga.

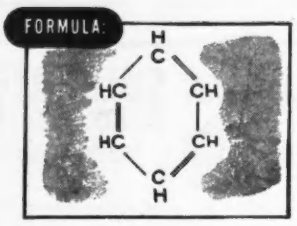
BENZOL

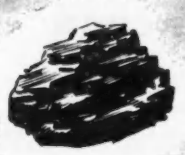
DEFINITION: Benzol (Benzene) is the parent hydrocarbon of the aromatic compounds. It is the basic raw material for the synthesis of many organic chemicals.

HISTORY: Discovered in 1825 by Faraday in an oil obtained by compressing illuminating gas. Hofmann found it in coal-tar in 1845. The process of recovering benzol industrially was first developed by Charles Mansfield.

C_6H_6

FORMULA:





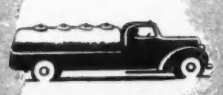
SOURCES: Benzol is obtained principally from the destructive distillation of coal. Most of the benzol produced in this operation is recovered by scrubbing coke-oven gas, while the balance is found in the portion of coal-tar that distills below 170°C.

CHARACTERISTICS: The pure product is a mobile, colorless liquid. It boils at 80.1°C., and crystallizes at 5.5°C. It is practically insoluble in water but mixes readily with ether, anhydrous alcohol, petroleum distillates and many organic liquids.

USES: A solvent for stains, coatings, and rubber cements; an essential raw material for the manufacture of dyes, tetryl and other explosives, synthetic rubber, phenol, aviation fuel, and D.D.T.

GRADES:

	Sp. Gr.	Boiling Range
Benzol, Nitration Pure	.882-.886	1°C max. incl. 80.1°C
Benzol, Industrial Pure	.875-.886	2°C max. incl. 80.1°C
Benzol, 90%	.870-.886	Start: Min. 78.2°C 90% Min. at 100°C
Thiophene-free Benzol	.882-.886	1°C max. incl. 80.1°C



This is one of a series of advertisements presenting information on basic coal-tar chemicals.

Awarded to the men and women of the Barrett Frankford Chemicals plant for excellence in the production of war materials.

THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.
The Barrett Company, Ltd., 5551 St. Hubert Street, Montreal, Que.

ONE OF AMERICA'S GREAT BASIC BUSINESSES

Coaltar Chemicals

Resumption of production of coke byproducts was reflected in the market for basic coaltar chemicals last week. Material came forward in better volume, but the gaps left by the recent cutback in output absorbed stocks about as rapidly as made available. Inventories have been reduced and the influx of buying orders has kept supplies from increasing materially. Benzol has swung into a fair state of balance and synthetic phenol was in better shape, but in cresylic acid, creosote oil, naphthalene and xylol, supply conditions were exceedingly tight. It did not look as though cresylic acid could be in any shorter supply than it is at the present time. Toluol remained available for prompt shipment and judging from trade reports, there will be a free supply for some time ahead. A producer of the denaturing grade of pyridin named a slightly lower price for less than carlots, but the views of other sellers were unchanged. Domestic production of dyestuffs is tagged for expansion as soon as the basic materials assume a normal condition. Buying interest in the hydrogenated solvents was not unusually active, the movement covering mostly regular consumers.

Steel operations for the week beginning March 4, were scheduled at 78.4 percent of ingot capacity, compared with 58.6 percent in the previous week, according to the American Iron and Steel Institute. A month ago the indicated rate was 6 percent. The present schedule is equivalent to the production of 1,381,700 net tons of steel ingots and castings, compared with 1,032 000 tons in the preceding week and 1,756,500 tons for the corresponding week in 1945.

Basic Products

Benzol—Seemed to be in better supply shape with demand active and prompt shipments being made. The effect of increased production is beginning to have its effect and the market situation showed a satisfactory degree of balance.

Creosote Oil—Market position remained definitely tight. The heavy demand for wood-processing is far ahead of the supply and it is stated that the restoration of normal output will not be sufficient to meet requirements for many months.

Cresylic Acid—Practically unobtainable for new business at present. Production heavily sold for use in synthetic resins varnish and laminating compositions and also for the manufacture of tricresylphosphate. Higher ceilings recently established for importations have not caused much of an influx of foreign material to date. Imports last week included 724 drums.

Naphthalene—Consumption in dyes intermediates and insecticides has more than drained available supplies, the demand for phthalic anhydride continuing exceedingly heavy. Short shipments have been in order in several instances and the supply situation in both crude and refined has remained distinctly tight.

Phenol — Came through the steel strike disturbance in better shape than most of the other basic coaltar products. While the heavy demand, principally for the phenol-formaldehyde resins continued, reasonably prompt shipments have been made.

Pyridin — A prominent producer named a slightly lower price for the denaturing grade in drums. The selling figure was down one cent a gallon to $1.54 minimum for less than carlots, the range extending upward to $1.65, depending upon the seller and the quantity involved.

Toluol—Prompt shipments of this material remained available. It was stated that inventories had been reduced somewhat but there continued to be enough material to meet the present state of demand for some time ahead.

Xylol — Demand for lacquers and enamels has outdistanced supply by a wide margin and there was no sign of easement in sight. The market closed the week in a definitely tight supply position.

Chicago, March 8.—The supply situation on coaltar bases has eased a little as steel mills go back to work on a large scale following the general steel strike, and some of the accumulated demand is being satisfied. However, prices are generally firm. Benzol was in good call. Ruling prices exclusive of tax were:—Benzol; pure, in tankcars, freight allowed, 15c. per gallon; 2-degree toluol, same basis, 27c.; 10-degree xylol, same basis, 29c.; industrial xylol, same basis, 26c.; solvent naphtha, same basis, 27c.; creosote oil, grade 1, 15½c.

Market Trends

Prices Advanced

None

Prices Reduced

Pyridin, denaturing grade, 1c. per gal.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
127.3	127.3	127.3	129.2

(For Current Prices see page 9)

Hydrogenated Solvents

Inventories have prevented any unusual problem in satisfying requirements in these materials. Favorable possibilities of a normal production of cyclohexanol should keep that solvent in a well-balanced position. Demand for the use in synthetic resin is expected to be maintained, as is also the lacquer demand for cyclohxanone, although buying interest in the latter has not been of a very pronounced character of late.

Coaltar Acids

Anthranilic — Demand, mostly for chemical and color uses, has prevented the expansion of inventories. The supply situation was described as tight, with a limit on the amount of material available.

Broenner's—Regular consumers are said to be receiving shipments, but stocks are limited at present and the market has shown no evidence of relaxing from its former tight position.

Fumaric—Not much chance of improvement in the market's supply position at present. The plastic demand is crowding production, and inventories are definitely low.

Gamma — Inventory situation reported tight under the maintenance of shipments, chiefly to regular consumers.

Maleic—Heavy demand for use in synthetic resins and protective coatings has overtaxed current production and left the inventory situation definitely tight.

Other Intermediates

Anthracene—Inventories of this material have been reduced and while stock was available there was a limitation on the amount of material consumers could buy at the present time.

Anilin — Consuming demand continued active with material relatively short but obtainable. Makers of dyes and intermediates and rubber-making chemicals were in the market for anilin oil, but the supply at present was said to be insufficient to meet requirements in full.

Carbazole—Stocks of high test material were offered sparingly. There seemed to be enough to meet dyestuff requirements, but stocks could not be described as easy.

Diphenyl—Could probably be purchased in small lots, but inventories are relatively low at present.

Picolines—Supplies of alpha, beta and gamma have been kept in sufficient supply to meet consuming demand and the manufacturers of dyestuffs, pharmaceuticals, resins and rubber have not found the market much of a problem in covering requirements.

Phthalic Anhydride—Steady consumption of this material has kept inventories down and the market held a tight position throughout the past week. Production has been maintained as lively as the naphthalene supply would permit. The call for

For Late Market Developments, See Page 4

Coal Tar Toluol

NITRATION GRADE

INDUSTRIAL GRADE

Also Benzol and Xylol

USES:—Lacquers, varnishes, enamels, quick drying cements, rotogravure inks, degreasing agents, dyes, pharmaceuticals, synthetic perfumes, shoe polishes, etc.

Available for prompt delivery from eight shipping points

KOPPERS COMPANY, INC., TAR & CHEMICAL DIVISION
PITTSBURGH 19, PA.

KOPPERS
THE INDUSTRY THAT SERVES ALL INDUSTRY

use in plasticizers was exceedingly active.

Quinoline — Firm but available. Some buying interest noted for dyestuffs, insecticides and rubber accelerators.

Coaltar Colors

Buying interest continued active in coaltar colors with inventories able to supply most of the domestic demand promptly. Chemical Division of the U. S. Tariff Commission gave production of C.I.-581 direct black e-w at 839,948 pounds against 797,644 pounds in the preceding month. Output of C.I.-1114 anthraquinone vat blue b-c-s, 20 percent, was 182,145 pounds, compared with 131,831 pounds in November. F.P.-302 naphthol a-s registered 56,912 pounds against 59,908 pounds in November.

Glass Container Shipments Gain

The total shipment of narrow-neck glass containers in January was 5,603,068, as compared with 4,654,493 in December, according to the Bureau of the Census. In this category, the amount used for medicinal and health purposes was 1,290,495 in January against 951,225 in December; chemicals, 632,774 in January against 547,501 in December; toiletries, 627,835 in January against 477,501 in December.

The total shipment of wide-mouth glass containers in January was 3,996,970, as compared with 3,313,620 in December. In this category, the amount used for medicinal and health was 288,020 in January against 209,418 in December; chemical, 126,309 in January against 99,593 in December; toiletries, 141,692 in January against 134,535 in December.

Aniline, Antimony Labeling Proposed in New York

The New York State Assembly last week referred to the codes committee a new section to be inserted in the penal law which would make it unlawful to manufacture, sell or give away articles containing aniline, antimony or certain other poisonous substances unless there is marked on the container the percentage thereof.

Chemical Workers Weekly Earnings Increase

Weekly earnings of factory workers in chemical and related fields showed a light increase in December, 1945, as compared with November, 1945. A breakdown of the weekly earnings for the chemical and allied industries follows:—

Average Earnings

	Weekly		
	Dec.	Nov.	Oct.
Chemical and allied products	$42.76	$42.28	$42.93
Ammunition	42.32	41.80	43.94
Chemicals	49.52	49.25	50.03
Cottonseed oil	29.94	30.92	30.60
Crude petroleum production	....	....	....
Drugs, medicines, insecticides	36.53	35.84	36.54
Explosives, safety fuses	52.96	48.35	47.06
Fertilizers	30.54	30.87	32.94
Paints and varnishes	45.48	45.56	45.59
Petroleum refining	55.38	56.51	53.03
Rayon, allied products	40.13	39.21	39.61
Soaps	48.20	46.17	47.85

Monsanto Stockholders To Vote on New Stock Plan

Stockholders of the Monsanto Chemical Company, St. Louis, will vote at its annual meeting, March 26, on a plan for financing a plan of production and working capital, for which authorization of 500,000 shares of preference stock is required.

It is proposed soon thereafter to offer 316,967 shares of new preference stock for subscription by common stockholders on the basis of one preference for each four common shares, the unsubscribed shares to be sold to underwriters. Part of the proceeds will be used to retire at a cost of $22,675,000, excluding accrued dividends, 210,000 outstanding shares of preferred stock, and the remainder will be used for expansion purposes.

Authorized common shares are to be increased from 1,725,000 to 2,000,000 shares to provide for conversion of preference stock into common stock.

J. A. Kinney, of the Barrett Division of the Allied Chemical & Dye Corporation, New York, is recovering from an operation and convalescing at his home.

You can depend on Bethlehem for

COAL CHEMICALS

BENZOL (nitration, industrial, and motors)
TOLUOL (nitration and industrial)
XYLOL (industrial)
CRUDE HEAVY SOLVENT NAPHTHA
CRUDE NAPHTHALENE
CRUDE PYRIDINE

Plants at Sparrows Point, Md.; Lackawanna, N. Y.; Bethlehem and Johnstown, Pa. Nearby points can be served by convenient tank-wagon delivery.

Other Bethlehem products for the chemical industry:

Forged pressure vessels • Chemical-plant equipment • Sheets • Alloy studs • Hot-forged nuts • Pipe • BethColite (hot-dipped tinplate) Electrolytic tinplate • Special-coated manufacturing terne plate • Black plate • Tool steel and small tools.

Address your inquiries to BETHLEHEM STEEL COMPANY, Bethlehem, Pa., or nearest District Office.

BETHLEHEM STEEL

Three important factors* in the making of products for intravenous injection

- A *fine chemical of measured purity*
- *Your technical skill in manufacturing*
- *Rigid laboratory control in your plant*

Few medicinal products demand as high a degree of purity as that required for products used in intravenous injection.

Upon the absolute *purity* of the intravenous solution, a life may depend.

That is the reason pharmaceutical houses use *extraordinary care* in the making of such products.

In that making, are these three vital factors:

— Selection of a fine chemical known for its purity and uniform quality.

— Extreme care in preparing the intravenous material—in bringing the solution to proper strength, clarifying it, introducing and sealing it into the ampule.

— Maintenance of rigid laboratory control throughout the manufacturing procedure.

The first of these three factors is highly important to manufacturers of *many* types of pharmaceutical products, but *it is even more important to those who produce products for intravenous injections.*

Here, purity to the decimal must be selected *at the beginning*. Your product depends upon that, and your manufacturing job is easier all the way.

Measured purity is the foundation upon which Baker has built its service for you. For many years, leading pharmaceutical and drug companies have known, and bought, Baker's fine chemicals (purity by the ton).

No matter what product you manufacture —if it requires one or more fine chemicals, specify Baker and you'll specify quality *at the beginning*.

J. T. Baker Chemical Co., *Executive Offices and Plant:* Phillipsburg, N. J.; *Branch Offices:* New York, Philadelphia and Chicago

Baker's
FINE · CHEMICALS

Drugs and Fine Chemicals

When the United States, France, and Great Britain jointly declared last week that Dictator Franco of Spain must go and that a democracy must replace the present Spanish dictatorship, the future importations of tartaric acid, cream of tartar, quicksilver, raw materials for making tartar products in this country, went into jeopardy. Numerous other market products would be affected, also, particularly in the botanical and pigment fields.

It was Spanish competition that caused the recent price reductions on all tartar products made in the United States. Removal of that competition would follow imposition of economic sanctions — a development clearly threatened in the tripartite statement which brought from the Spanish Dictator the declaration, "I wont quit." The next move appears to be up to the triumverate.

Prices on menthol continued to advance and the product of Brazil appeared to be seeking the level said to be occupied by Chinese menthol available for export from China.

The latest report concerning production of numerous fine chemicals and released by the U. S. Tariff Commission reveals that December production of acetone, dibutyl phthalate, ergosterol, ethyl acetate, formaldehyde, synthetic methanol, and penicillin exceeded that in November. Also, the December output of ascorbic acid, ethyl ether, natural methanol, phenobarbital, and sulphathiazole was lower than that in November.

Acetanilide—The December report of the U. S. Tariff Commission provided no data concerning production of this article. The last report was made for the month of October.

Acetone—December production, according to the latest report of the U. S. Tariff Commission, totaled 25,591,935 pounds. This compares with November output at 25,364,381 pounds.

Acid, Acetylsalicylic — Production dropped in December, according to output data provided by the U. S. Tariff Commission. The December total was 910,287 pounds, which compares with 966,271 pounds in November.

Acid, Ascorbic — Production data provided by the U. S. Tariff Commission reveals a sharp drop in December production of this vitamin. The total produced was 58,231 pounds, against the 81,689 pounds produced in November.

Acid, Tartaric—Since the reduction in prices, late in January, domestic manufacturers have maintained a steady price schedule on the minimum figure of 62½c. per pound. Reports concerning imported acid suggest the article might be obtainable around 60c. per pound. The statement calling on the Spanish people to depose its present dictator—a statement in which the United States, France and Great Britain concurred—may lead ultimately to a disruption of all relations with Spain in the event that Franco ignores the statement—which was far more than a hint to vamoose. Creation of an economic quarantine around Spain would end the substantial export of tartaric acid to this country.

Alcohol—Were it not for the government stockpile upon which industrial consumers of alcohol may draw, supplies of alcohol available to consumers would be distressingly small however production figures may appear when compared with normal output in prewar times. The fact is that production now centers on molasses as the sole raw material. Beverage alcohol production from either molasses or grain is banned. Behind the ban on the use of cane products was the desire to check what was thought to be a Cuban plan to make alcohol from molasses in Cuba for export to the beverage makers in this country—a plan which would have hurt availability of molasses for alcohol manufacture on account of industrial users in this country.

Argols—Suspension of business with Spain, if it comes as an aftermath of the determination of the United States, France, and Great Britain to oust Franco as dictator of Spain, would delay vastly the coming of that time when shipments of argols from Spain should be increased in proportion to the extent to which Spanish vineyards are restored and wine production renewed.

Market Trends

Prices Advanced

Dibutyl sebacate, 2c. per lb.
Menthol, 25c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
209.2	208.4	205.9	230.3

(For Current Prices see page 9)

Atropine—Available supplies were very small. Normal sources of supply had little to nothing and the quarters still able to supply had strong views on prices for the limited amount of material available.

Castor Oil — A relatively large amount of beans reached here from Brazil last week. The quantity was 12,415,800 pounds and brought landings since January 1 to 49,848,900 pounds. This later amount compares with 44,215,250 pounds arrived during the corresponding period a year ago.

High volume demand for castor oil, more especially for the account of the protective coatings industry, requires continued importation of substantial quantities. Now that the price consideration has been settled, it may be that a better movement of beans from the interior to the Brazilian export points will be possible.

Chicago, March 5. — Castor oil prices are:—Cold pressed, U.S.P., 15c. per pound, returnable drums, carlots; 15¾c., drums less than carlots; tanks, 14¼c.; No. 3, extracted, 14¾c., drums, carlots; 15½c., drums, less than carlots; 14c., tanks.

Cocoa Butter—Large quantities—17,274 cases last week—reach here from Brazil, but the goods are sold prior to arrival and fetch ceilings in all instances. Factors long identified with the sale of domestic and imported butter declared last week that the situation was even tighter than it was during the war. Consumers of standing get but a proportion of their normal takings in the past.

Cream of Tartar—During the past week, 160 barrels of this article reached here from Spain. Further importations from Spain became uncertain when the United States, France, and Great Britain by inference intimated that economic sanctions against the present Spanish government would result if Dictator Franco refused to abdicate and permit Spain to create a democracy to succeed the present dictatorship.

Dibutyl Phthalate — December production scored a sharp decline. According to the U. S. Tariff Commission concerning December output, the total then produced 784,737 pounds, which compares with November production of 1,180,732 pounds.

Dibutyl Sebacate—The seller at the recently minimum tankcar price of 46c. per pound last week advanced his quotation to 48c. The range, according to seller, was to 50¼c.

Emetine—The market is around $55 per ounce in some directions but importers indicate that Brazilian material can be bought at $1,350 per kilo, cif New York, in bond. The duty is 25 percent ad valorem. Hence, this quotation on goods to come forward from Brazil would work out at about $48 per ounce.

Ergosterol — December production totaled 1,388,699 million units, which compares with November output at 2,122,459 million units. Authority, U. S. Tariff Commission.

Ethyl Acetate — Production of 85 percent material increased in December, according to the U. S. Tariff Commission. The output totaled 7,109,375 pounds, which compares with November output at 6,898,360 pounds.

Ethyl Ethers—According to the U. S. Tariff Commission, the December production of technical and U.S.P. goods was 3,020,034 pounds, while in November it was 4,676,973 pounds.

Fishliver Oils—According to a revision of the General Import Order M-163, import controls on fishliver oil and shark liver oil were removed. The two oils had been removed from in-

For Late Market Developments, See Page 4

ALKALOIDS
GLUCOSIDES — DRUG EXTRACTIVES

ACONITINE
AGARICIN
ARECOLINE
ASPIDOSPERMINE
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BERBERINE
COLCHICINE
DIGITALIN
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ESERINE
HOMATROPINE
HYDRASTINE
HYOSCINE
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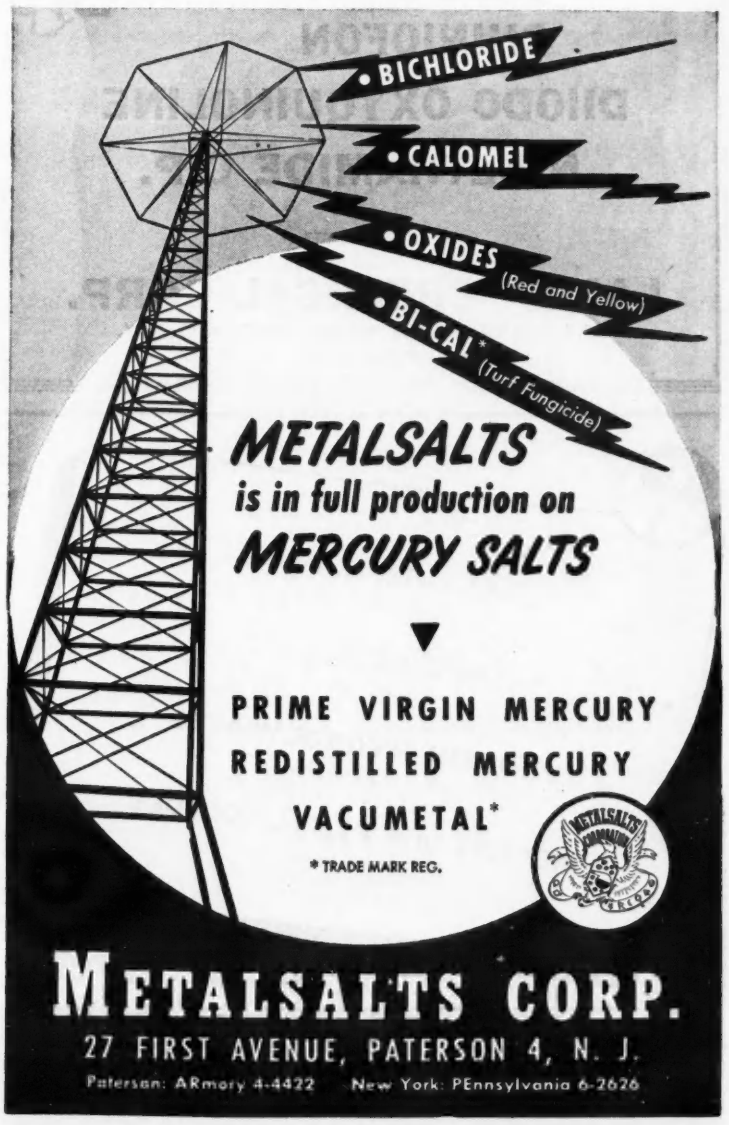

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ternational allocation by action of the Combined Food Board on the theory that supply and demand had been balanced. The international control had been in effect since January 12, 1944 when supplies were so scarce that it became necessary to protect the requirements of the armed forces.

San Francisco, March 6.—The fish liver oils market here this week was very quiet. Lack of supplies continued to limit trading.

Formaldehyde — December production of 37 percent by weight increased over that in November. It totaled 29,252,064 pounds, which compared with November production at 27,725,787 pounds.

Glycerin—The outlook for some gain in supplies of oils and fats for making soaps was reported last week but the extent of improvement remains to be developed. It will require a very substantial gain to raise the amount of crude glycerin being recovered by the soapers and it upon that the eventual increase in the availability of glycerin will depend. At the moment, need exceeds supply at least to the extent that maintainence of a normal quantity of reserve stocks is almost impossible. From Glasgow, Scotland, came 400 drums last week but the variety was not stated.

Chicago, Feb. 27.—Glycerin prices are:—C.p., tanks, 18c.; drums, c.l., 18¼c.; l.c.l., 18¾c.; high gravity, tanks, 17½c. to 18c.; drums, c.l., 17½c. to 18c.; l.c.l., 18c. to 18¾c. Chemically pure, 18c. per pound, tankcars; 18¼c., drums, carlots; 18¾c., drums, less than carlots.

Menthol — The advance continued and the immediate position of this item was one of strength. Not very much material could be obtained at the inside of the range $5 to $5.25 per pound. Chinese menthol hangs over the market to some extent, although the prices which might have to be paid would mean a landed value here substantially higher than the market as quoted here at present, it would be around $5.60 per pound.

Methanol—December production of natural methanol was 1,568,355 pounds, according to the latest report of the U. S. Tariff Commission. This compared with November figures at 1,867,374 pounds. While less natural methanol was produced in December, output of synthetic material rose to 45,304,861 pounds from the November official figure at 37,713,867 pounds. The direct process production of acetic acid from wood and acetic acid distilled from calcium acetate in December was 1,845,913 pounds comparing with the November output of 1,942,981 pounds.

Penicillin—December production totaled 841,129 million units, comparing with 820,848 million units produced in November, according to the latest report of the U. S. Tariff Commission.

Phenobarbital—The most recent report of the U. S. Tariff Commission declares December production of 15,863 pounds, which compares with November output of 22,873 pounds.

Quicksilver—Resumption of major shipments of quicksilver from Spain may hinge on the political events that follow the joint statement of the United States, France and Great Britain to Spain that Dictator Franco must go and the Falange government supplanted by one more directly accountable to the Spanish citizens as a whole. The failure of Franco to get out could well lead to suspension of all intercommerce between the United States and Spain.

San Francisco, March 6.—No changes were reported in the quicksilver market here this week. Prices were firm. Producers were quoting metal between $100 and $105 per flask, f.o.b. this city. Spot metal was scarce.

Sulpha Drugs—December production of sulphathiazole was 178,939 pounds, while in November report of the U. S. Tariff Commission mentioned 209,552 pounds. Production data on the other major sulpha drugs was lacking.

Drugs & Toiletries Agent Enroute from South Africa

Kay Asher, managing director of Drugs and Toiletries (Pty.), Ltd., Johannesburg, South Africa, is enroute to the United States to make arrangements for representing American pharmaceutical and cosmetic manufacturers in the Union of South Africa, South West Africa, Northern and Southern Rhodesia and Portuguese East Africa. His headquarters in this country will be J. A. Ewing & McDonald, Inc., 200 Madison avenue, New York.

APMA Meeting Date Changed

The annual convention of the American Pharmaceutical Manufacturers Association will be held at Chateau Lake Louise, Alberta, Canada, on June 10, instead of in Grove Park Inn, Asheville, N. C., on May 27, as originally scheduled. The reason for the change was the large number of reservations being received and the limited accommodations at Asheville.

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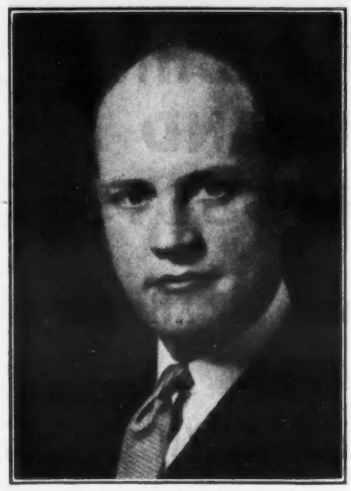

Milton F. Martin has resigned as assistant general sales manager for U. S. Industrial Chemicals Inc., New York, to head sales for Transfilm Inc., maker of educational movies, New York. A. R. Ludlow jr. succeeds him at the chemical concern.

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Bristol Laboratories Adds Five to Staff

The Bristol Laboratories, Inc., Syracuse, N. Y., has named five additions to its staff. Dr. Lee C. Cheney, who has been engaged in research in the pharmaceutical field, will do synthetic organic research for the laboratories. Dr. Alden B. Hatch, previously an Army captain assigned to the penicillin production and research program, has been placed in charge of fermentation development.

Dr. William C. Risser, formerly a research biochemist for Abbott Laboratories, Chicago, will perform the same task for Bristol. Harry O. Nutting, jr., recently released from the Army Engineers Corps, has been appointed chief construction engineer, and Robert C. Gasen, formerly with the Office of Price Administration and other governmental agencies, has been named special assistant to the general manager to handle contracts and other legal problems.

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Trade Briefs

Personal Products Corporation has leased an entire building at 6401 W. 65th street, Chicago, for manufacturing and additional space for offices.

Lt.-Col. Charles D. Smith, on terminal leave from the Army, is returning as president of the Smith-Faus Drug Company, Salt Lake City.

George A. Breon Company pharmaceutical manufacturer, Kansas City, Mo., has appointed Fred A. Morrison advertising manager. Mr. Morrison had been in the sales department for eight years.

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R.H. McGee Retires From U.S. Rubber Co.

Robert H. McGee, a salesman of rubber drug sundries and specialties, has retired from the United States Rubber Company, New York, after thirty years with the company and forty-seven years in the rubber industry.

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Medical Surplus Property Going to Gov't Agencies

OPD Washington Bureau

Federal, State and local governments are obtaining about 90 percent of available medical and surgical surplus property, officials of the War Assets Corporation told recent industry advisory committee meetings of manufacturers and distributors of surgical instruments.

The government's public health benefit program was explained in detail at both meetings by Robert Ayers, director of War Property Distribution, FSA; Scott W. Donaldson, Assistant Deputy Administrator, WAC; Albert F. Siepert and Neil F. MacDonald, Office of Surplus Property Utilization, States Relations Division, U. S. Public Health Service.

Gasoline Patents Are Made Available

OPD Washington Bureau

The licensing of a group of patents relating to the production of synthetic gasoline by the Fischer-Tropsch process are available on a royalty-free, non-exclusive basis for an administrative fee of $15 each. The process formerly was operated extensively in Germany for the production of synthetic gasoline, diesel oil and higher alcohols, and by further chemical reactions, for the production of waxes, lubricating oils, and fatty acids for soaps and detergents.

A list of the patents may be obtained from the patent use and development section, Office of Alien Property Custodian, Washington, D. C.

Socony-Vacuum Names Walker Distribution Survey Head

George Walker, manager of the southeastern division for the Socony-Vacuum Oil Company, New York, has been transferred to New York to head the national planned distribution survey department. He has been succeeded at Baltimore by George D. McDaniel. W. H. Stanford, district sales manager at Springfield, Mass., will succeed Mr. McDaniel, and W. R. Johnson, recently released from the Navy, will take over the Springfield post.

Ethyl to Hold Refresher Courses

Ethyl Corporation, New York, will hold a series of refresher courses in the company's research laboratories in Detroit, for field engineers and laboratory staff members who have been on military leave.

Sinclair Oil Plans Larger Laboratory

The Sinclair Oil Corporation plans construction of an extensive laboratory in Harvey, Ill., to provide enlarged quarters for the research and development department which will be moved from the East Chicago area.

Kentucky Bill Would Set Up Geological Survey

The Kentucky legislature is considering a bill which proposes to abolish the geological division of the department of mines and minerals and establish a separate State Geological Survey, to be headed by a geologist appointed by the governor.

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Petroleum Derivatives

A further diversion of interest from crude petroleum, the heating oils, kerosene, residual fuel oils and gasoline to many of the petroleum chemicals, especially those used extensively in the preparation of lacquers for automotive vehicles and in the making of synthetic resins and plastics, has featured business in the petroleum industry within the past week. In fact, interest in these chemicals has overshadowed in importance even the announcement of the impending industry-wide price boost in crude petroleum, granted to crude oil producers last week.

To meet the steadily expanding demands for the petroleum chemicals, there has been a huge expansion of the fractionating capacities of many of the refineries, following the release of many of the older cracking plants from military production work and the construction of several new ones for this purpose, with increased engineering staffs to operate them. But some of the refiners feel the need of further extensions in productive facilities.

And, now, on the eve of a settlement of the long-drawn-out motor strike and the return to work of many thousands of operatives in the automobile industry, the demand for methyl ethyl ketone, used largely in making nitrocellulose lacquers, is being hugely amplified. Similarly, the movement of the so-called "road products," led by acetone and isobutyl alcohol, and also including methyl isobutyl ketone and methyl amyl alcohol, has become so great as to require a still further expansion of productive capacity in several quarters. Allyl alcohol and allyl chloride, used in the production of allyl esters and allyl ethers for the manufacture of synthetic resins and plastics, are likewise in spirited request.

The markup of price ceilings for crude oil, which is to amount initially to 10 cents per barrel, announced by the Office of Price Administration as becoming effective before the end of March, and to be absorbed by refiners without increasing prices of derivatives to the public, has been accompanied by an explanation that, if the contemplated further study of costs shows this increase is inadequate to maintain the industry's 1936-1939 earnings, a further increase in crude oil prices will be authorized, together with a greatly desired increase in ceilings for residual fuel oils.

Petroleum Chemicals

Acetone—Once more in increasingly keen demand, with the productive capacities of some refiners pretty well sold out. An interesting recent development has been the successful shipment by one refining company of several cargoes of this material by tankers from Gulf ports to New Jersey storage capacities.

Allyl Alcohol—Moving in steadily increasing volume into consuming channels in the synthetic resin and plastic industries.

Isopropyl Alcohol — Continues in keen demand with prices well maintained.

Methyl Ethyl Ketone — Makers of nitrocellulose lacquers are increasing their purchasing operations under the stimulant of mounting requirements for coatings for automotive vehicles.

Solvents and Diluents

Aromatic Solvents—Buying interest in the high-solvency aromatics on the part of the paint, varnish and lacquer industry continues fairly keen, with manufacturers adequately supplied with the petroleum xylol and toluol used as bases in the production of all types of solvents and hence able to meet all the trade's requirements.

Cleaners' Naphtha — With the near approach of Spring, civilian takings of this solvent are mounting considerably while purchasing for military account continues to diminish.

Lacquer Diluent — Still being absorbed by lacquer makers in fair-sized quantities.

Mineral Spirits — Continues in good inquiry.

Rubber Solvent — Synthetic rubber makers are still taking up virtually all stocks and current output of this solvent, albeit the aggregate of their purchases is not quite as large as it was before natural rubber became available again.

Stoddard Solvent — Civilian account buying continues to outstrip military takings in this solvent.

V. M. & P. Naphtha—Considerable interest continues to be manifested by the paint and varnish trade in this naphtha, with supplies reaching larger proportions than for some time past.

Market Trends

Prices Advanced

Crude petroleum, nationwide markup of price ceilings, 10c. per bbl.

Prices Reduced

Gasoline, 73-75 oct., Midwest and Group 3, 3/8c. per gal.; Pennsylvania, 1/2c. per gal.
Natural gasoline, 26-70, Group 3, 1/2c. per gal.
(For Current Prices see page 9)

Lighter Fractions

Butane—Although not yet in very liberal supply, this liquefied petroleum gas is again available in sufficient quantities to meet all requirements of the principal classes of consumers, including synthetic rubber and high-octane gas makers, whose purchases are steadily diminishing, and the industrial processes in which it is employed to generate intense heat as well as the families using it for cooking and heating.

Propane — Market conditions almost exactly similar to those described above for butane also dominate the situation for this liquefied petroleum gas.

Petrolatums and Waxes

Microcrystalline—Continues in keen demand and none too plentiful supply.

Paraffin—Manufacturers of this petroleum wax continue unable to accumulate any stocks of either crude scale or refined grades, inasmuch as the domestic and export demands are still running so high as to absorb their entire output. Exporters continue unable to procure new licenses.

Petrolatums—An unabatedly active demand is noted for all petroleum jellies, including U.S.P., veterinarian and technical grades. Prices are being well maintained throughout the list.

White Mineral Oils—Moving steadily into consuming channels, with prices firmly held for both U.S.P. and technical types.

Fuels and Lubricants

Crude Petroleum — Although denying the urgent recommendation of the National Crude Oil Industry Advisory Committee for an industry-wide markup of 35c. per barrel in the ceiling prices of crude petroleum, the Office of Price Administration has announced its granting to crude oil producers of a general price increase of 10c. per barrel, to become effective some time during the last half of the current month.

OPA has added, moreover, that, if a further cost study, to be made at once, shows this 10c. advance to be inadequate to maintain the industry's 1936-1939 earnings, a further markup will be allowed.

According to this authority, refiners will be required to absorb this price increase for crude oil, although such absorption and its effect on prices to the public for petroleum products will be made the subject of conferences between OPA and the Industry Advisory Committee, which are to begin immediately.

Gasoline—Although some additional price cutting of regular gasoline has been resorted to in the Midwest, Mid-continent, Gulf coast and Western Pennsylvania districts, it is now believed that rock bottom levels have been reached. Latest cuts have amounted to a quarter to three-eighths of a cent per gallon and natural gasoline has been offered and sold at further price reductions of a half cent per gallon.

For Late Market Developments, See Page 4

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Botanical Drugs, Spices, Gums

Although rhubarb root underwent another sharp price advance, and while Cochin ginger, all varieties of caraway seed, two varieties of sage, and Spanish thyme were lower at the end of last week, the feature of the botanical drug market was the act whereby the United States, France and Great Britain challenged the very life of the Spanish dictatorship by demanding that the Falange government be replaced by a democratic regime and Dictator Franco retired to private life.

The three nation statement of policy carried with it an implied threat of economic sanctions to be applied if Franco replied "No soap" to the tripartite demand. Abolition of trade between Spain and the United States would hit the botanical market substantially.

Among Spanish botanical exports to the United States are aconite, althea, ergot, quince seed, licorice root, extract, and paste, sage, thyme, paprika, uva ursi, savory, saffron and caraway. Although no major price movement came over the group, it was noted that dealers were disposed to take a firmer view on the market while awaiting further development in the tense international situation.

Detentions of botanicals arriving on these shores constitutes a constantly growing problem to dealers. Each week finds a large number came under the ban of the Food and Drug Administration and last week a total of eighteen items were withheld from the market by Federal orders effective at New York, Atlanta, Boston, and Philadelphia mainly because of the presence of either filthy matter or insect infestation.

Many in the condimental trade declare that the F&DA has tolerances covering permitted off quality merchandise. Attempts to learn just what tolerances are practiced in fact by the F&DA get little farther than a brush-off. A court action to drag tolerances into the open is urged by some.

Balsams

Copaiba—The spot supply remained on the short side despite the arrival of 29 cases last week. Values were definitely firm.

Peru—A reasonable amount of competition prevailed on spot but the majority of sales went through on the basis of $1.10 per pound. The total was fair in size.

Barks

Barberry—Conditions do not suggest major exports from Europe this year and the future of supplies remains much under a cloud. The present spot market is practically nominal.

Buckthorn — Russia seems to have solved the problem of getting her botanicals to this market. Though lacking broad spot distribution, ordinary bark prevails at 47c. to 50c. per pound.

Cascara Sagrada — Workers in the peeling areas are likely to be none too plentiful this year. Lumbering operations are expected to reflect the extreme shortage of lumber for building purposes. Collection of cascara will go well if it repeats the conservative total of last year.

Soap—Definitely strong in price and, apparently, destined for a strongly maintained position in the primary market for an indefinite period of time. Local sellers showed reserve last week.

Beans

Tonka — Demand was routine and covered jobbing business in most instances. Larger consumers are disposed to import direct, thus bypassing to some degree the usual supplier of this item.

Vanilla — Efforts to secure vanilla beans in excess of the distinctly small quota of the United States continue and some expect a modicum of success to crown the effort. Present spot stocks of beans are on the low side and consumers face a period in which supplies will probably be considerably less than the quantity of beans they could consume with little difficulty.

Berries

Juniper—Spain has resumed shipping these berries to this country and last week an arrival of 152 bags was reported. Russia has been a substantial shipper in the recent past and direct exports from Italian sources have not been small.

Raspberries—Little well dried material is being carried into the new crop season and it will require a substantial gain in the crop to assure ample goods for consumer needs during the next year.

Flowers

Chamomile—It is very difficult to secure any Roman flowers. The detention of some 14 bales, because of filth and insect infestation, on arrival here did not aid in relieving the market from scarcity. Also, 20 bales of material were detained because of filth, but the detention announcement did not specify Hungarian style or Roman flowers.

Elder—Carry over in the domestic market will be light this year, and large-scale domestic collection this Spring is hoped for in order to cover consumer needs in 1946.

Lavender—There is doubt that workers will be available in France to collect lavender flowers in normal quantities when the crop season arrives. There is virtually not a pound of reasonably good material on spot now.

Rose—Despite the recent substantial detention of pale flowers, a better than fair-sized spot supply remains available around 45c. per pound, and business was moderately competitive.

Saffron—Shipments from Spain may stop if economic sanctions are imposed on that country because its dictator refuses to vamoose out of his job at the behest of the United States, France, and Great Britain.

Gums

Aloe — The shortage of Cape gum was partially broken last week by the arrival of 16 cases from Capetown, South Africa. None of gum aloe is in even reasonable supply.

Arabic—An arrival of five bags of Arabic sweepings was detained by the Food and Drug Administration because they contained filthy and 100 bags of sweepings were detained as not conforming to the U.S.P. Total arrival of gum on spot last week was 950 bags from Port Sudan, and they reached a market believed to be at rock bottom as to price.

Karaya—Fair business met the arrival of 3,568 bags from India last week, and trading was sufficient to grant substantial support to prices on a level in line with replacement costs.

Locust Bean—Liverpool continues to export this item, and from that British port 100 bags arrived here last week.

Olibanum—India was a firm market as to price, and strength dominated the spot situation as well. Demand was routine but very steady. During

Late Market Developments, See Page 4

Market Trends

Prices Advanced

Drugs

Rhubarb root, whole, 15c. per lb.
powdered, 10c. per lb.

Other Articles

Anise, star, 1c. per lb.
Mustard seed, Montana, oriental, ½c. per lb.

Prices Reduced

Drugs

Ginger root, Cochin, bleached, ½c. per lb.
unbleached, ½c. per lb.

Other Articles

Caraway seed, Canadian, 5c. per lb.
Danish, 2c. per lb.
Dutch, futures, 2c. per lb.
Morocco, natural, 4c. per lb.
dewhiskered, 6c. per lb.
Coriander seed, Peru, ¼c. per lb.
Marjoram, Chilean, ½c. per lb.
Sage, Calif., Dalmatian-type, 10c. per lb.
Washington, Dalmatian-type, 28c. per lb.
Thyme, Spanish, ½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
278.9	277.8	269.8	240.2

(*For Current Prices see page 9*)

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WAREHOUSES AND PROCESSING PLANTS: BROOKLYN, N. Y., NEWARK, N. J.

the week 277 bags reached here from India.

Herbs and Leaves

Euphorbia—Prices held very firm, despite the fact that an arrival of 111 bales from Cochin was noted last week.

Henbane—Some arrivals prove too low in quality to permit entry. A recent arrival of 39 bags was detained by order of the Food and Drug Administration when found to contain filth.

Henna—India appears as the shipper of 157 bales of this item, which reached this port last week. The market was fairly quiet as to other developments, and slightly more than the recent amount of competition was reported.

Jaborandi—Replacements continue to arrive from Brazil. The latest landing totaled 70 bales, and some went at once to consumers whose contracts had been standing some time.

Marjoram—Chilean herb was lower at 12c. to 12½c. per pound. California French type is expected to be produced again this year. Offerings direct from France have not yet developed.

Sage—Some had thought that Washing State would stop cultivating Dalmatian type sage when Dalmatia was liberated. The thought was wrong. Cultivation will continue this year. The present price proposed is 41c. to 42c. per pound. California Dalmatian-type material was lower at 85c. to 87c.

Senna—Prices are higher in India, and goods on arrival here are found unfit for use, and hence detained by order of the Food and Drug Administration. The result is higher spot prices at 19c. to 20c. per pound for No. 1; No. 2, 17c. to 18c.; No. 3, 15½c. to 16½c., and powdered, 20c. to 21c. The latest arrival to be detained was 109 bales of leaves and pods that reached Boston in the week ended March 1.

Miscellaneous

Colocynth Pulp—Local sellers reported no difficulty in getting full prices for this article; practically no competition prevailed. An arrival of 26 bales from Port Sudan was noted.

Ergot—Spot prices were strong. The poor quality of much ergot reaching these shores of late has caused spot stocks of released goods to fall substantially, bringing greater value into being as lack of quality reduced available supplies.

Irish Moss—France continues to export this item and the latest arrival from that country totaled 300 bales.

Kamala—Sellers took a position of added firmness even as 85 bags reached here from India last week. The strength related to a considerable broadening of inquiry.

Roots

Alkanet—Root reaching here from abroad and containing filthy matter totaled 5 bales during the week ended March 1. No wonder that prices held at very high levels.

Althea—Limited quantities of split and peeled root were available last week and detention of some 10 bales because of their containing filth did considerable in the direction of strengtening already firm prices.

Angelica—Two shipments, totaling 45 bales, were found to contain filth on reaching here during the week of March 1 and, therefore, were detained by order of the Food and Drug Administration. This is but one more addition to several lots so detained of late.

Calamus—An arrival of 35 bales was reported last week. Restoration of prices on imported root seems to be but a matter of time consumed in getting the article passed by Federal agencies.

Rhubarb—Only Indian root is available and stocks of that are smaller than they would have been had not several parcels failed to meet quality standards of the government. Spot prices for whole were up to 75c. to 76c. per pound; powdered, 80c. to 81c.; granulated, 83c. to 84c.

Seeds

Anise—Following an arrival of 290 bags from Hong Kong last week, spot prices were established at the higher level of 41c. to 42c., compared with 40c. asked when the goods were offered afloat.

Caraway—Prices continued to decline. Canadian, 45c. to 46c. per pound; Danish, 50c. to 51c.; Dutch, futures,

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(*To be continued*)

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TRADE MARK

53c. to 54c.; Morocco, natural, futures, 38c. to 39c.; dewhiskered, 44c. to 46c.

Celery—Spot prices remain steady, withstanding nicely the arrival of 354 bags from Indian last week.

Coriander — Peruvian seed was reduced to 9c. to 9½c. per pound under competition.

Cumin — Some Indian seed reached here, the total being 1,691 bags that were landed on spot last week.

Dill — Arrivals of 1,245 bags from India failed to break well maintained spot quotations last week.

Mustard — Oriental seed from Montana was valued upward last week to 11½c. to 12c., per pound.

Spices

Cassia—Local sellers expect soon to restore a prompt delivery price on China cassia, this following the arrival of 1,155 bales last week. Of the total, 307 bales were China rolls, and 500 bales were broken selected rolls.

Ginger — Cochin root continued to decline and under competition, bleached root sold down to 16c. to 16½c. per pound, while unbleached went at 15c. to 15½c.

Peppers—Unless OPA permits importers to sell at prices warranted by the world price level of about 20c. per pound, this country is going to do without black pepper—although OPA can point to its present domestic ceiling of 10c. as a price line well held. An arrival of 800 parcels of chillies from Valparaiso, Chile, was reported in the red pepper market last week.

Markets at Other Centers

Los Angeles, March 6.—This market remained steady last week, with supplies generally short. Prices remained unchanged, as follows:—

Calendula Flowers—$2 per pound.

Marjoram — French type, 35c. per pound in dried form.

Sage, Dalmatian type.—40c. per pound for lots said to contain less than 12 percent stems. Sage guaranteed to contain less than 5 percent stems was quoted at 65c. per pound. Leucophylla was quoted at 32c. per pound.

Savory.—French type, 75c. per pound.

Sweet Basil.—90c. per pound for lots containing less than 12 percent stems.

Thyme.—French type, 90c. per pound in dried and clean form.

Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food, drug and cosmetic act or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended March 1

Althea root, 10 bales; filthy.

Angelica root (2 shipments), 45 bales; insect bored.

Alkanet root, 5 bales; filthy.

Anise seed, 11 bags; moldy.

Arabic siftings, 100 bags; not U.S.P.

Arabic sweepings, 5 bags; filthy.

Chamomile flowers, 20 bales; filthy.

Chamomile, Roman, 14 bales; filthy, insect infested.

Cassia oil, 11 drums; not U.S.P.

Cassia (6 shipments), 1,304 bales; filthy; insect infested.

Coriander seed, 1,100 bags; filthy.

Glucose, 270 bags; water damaged.

Hyoscyamus niger, 39 bags; filthy.

Juniper berries, 119 bales; filthy.

Medicinal preparations, 3 cases; inadequate warning statement; dangerous drug.

Licorice powder, 396 bags; filthy.

Mustard seed, 234 bags; filthy.

Saffron, American, 10 bags; filthy.

Atlanta

Week Ended March 1

Liver injection, 37 packages; not U.S.P.

Boston

Week Ended March 1

Cardamom seed (2 shipments), 40 cases; filthy.

Cod oil, 30 drums; decomposed.

Eucalyptus dives oil (2 shipments), 53 drums; not U.S.P.

Senna, leaves and pods (5 shipments), 109 bales; filthy, moldy, water damaged.

Buffalo

Week Ended March 1

Medicinal preparations, 1 parcel; improperly labeled.

Philadelphia

Week Ended March 1

Grains of Paradise, 26 bags; filthy.

Kola nuts (2 shipments), 326 bags; insect infected.

In Rubber Research Post

Dr. Harlan L. Trumbull, director of synthetic rubber and textile research for the B. F. Goodrich Company, Akron, Ohio, will serve as manager of the research and development division in the synthetic rubber department of the Rubber Reserve Corporation, on a temporary basis. E. A. Wilson will replace him during his absence from Goodrich.

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Essential Oils, Other Aromatics

The most interesting developments in the market for essential oils and aromatic chemicals centered around the arrivals of essential oils from primary sources, including some that were absent from the market for some time. China shipped 22 drums of anise oil and 29 drums of cassia out of Hongkong; the first direct shipments to arrive here since the war. India arrivals included 8 cases of palmarosa oil and 5 cases of sandalwood oil. South American shipments were featured by the arrival of 50 cases of petitgrain oil from Buenos Aires and 23 drums from Montevideo. Other shipments from that source were:—25 cases of guaiacwood oil and 68 drums of sassafras oil from Rio de Janeiro. A total of 28 drums of lavender oil came from France and Spain, respectively.

Price changes were on the downside for essential oils and upward for certain aromatic chemicals. Anise and cassia oils were lower in price, reflecting the recent offerings from China. Lavandin declined moderately because of the devaluation of the French franc and the lack of buying interest. The improved supply of pimento leaf oil brought about a modest decline. Mexican lignaloe wood oil was offered at more attractive prices because of the slackening in demand, and improved position of Bois de rose.

Aromatic chemical advances were directly attributed to the higher raw material and production costs. Citral was advanced sharply, because of the steadily rising costs of lemongrass oil. Linalyl acetate, ex-petitgrain, followed the trend in petitgrain oil. Eucalyptol was in tight supply and subject to higher production costs, while the same situation prevailed for methyl cinnamate.

Market Trends

Prices Advanced

Citral, $1.50 per lb.
Eucalyptol, 35c. per lb.
Linalyl acetate, ex-petitgrain, 20c. per lb.
Methyl cinnamate, 25c. per lb.

Prices Reduced

Anise, oil, Chinese, 40c. per lb.
Bay, W. I., oil, 50-55%, 5c. per lb.
Cassia, oil, Chinese, $1.25 per lb.
Lavandin, oil, 25c. per lb.
Lignaloe wood, oil, Mex., 50c. per lb.
Pimento leaf, oil, 10c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
219.0	**222.3**	**215.9**	**217.2**

(For Current Prices see page 9)

Essential Oils

Anise — The first direct shipments of Chinese anise oil reached here recently, totaling 29 drums, from Hongkong. Spot offerings were made from $3.25 to $3.50 per pound, which represented a decline from previous quotations.

Bay—Offerings of West Indies, 50-55 percent material, were slightly lower at $1.40 to $1.65 per pound; Puerto Rico, 50-55 percent, remained at $1.75 per pound. Demand routine.

Bois de Rose—Another shipment arrived from Brazil last week aggregating 62 drums. During the past several weeks the market has received a fair quantity of material from this source, but a great deal has found its way directly into consuming channels, and the spot position was not materially bolstered.

Caraway—Spot position of the market continued satisfactory. Dutch material has been available in moderate quantities, while limited supplies of Russian were offered. A total of 8 drums reached here from Rotterdam last week.

Cassia—A total of 22 drums arrived direct from Hongkong, representing the first such shipment since the war. Spot offerings ranged from $9.50 to $10.75 per pound.

Citronella—The position of the market remained status quo. Despite the recent favorable ruling by the Customs Court, Ceylon citronella was kept in bond pending government's decision to appeal the Court's ruling. The action may be taken by the government within sixty days.

Eucalyptus—A tight supply situation prevailed. Arrivals from primary sources have not been consistent enough to take care of all inquiries reaching the market.

Guaiacwood — A shipment totaling 25 cases arrived from Montevideo last week. Market continued to be well supplied on spot, and demand was not especially active.

Lavandin — Quotations declined to the basis of $5.75 to $8 per pound. Demand was sluggish, while the lower prices were directly attributed to the devaluation of the French franc.

Lavender—Arrivals last week included 14 drums from France and 14 drums from Spain. Demand was moderate and spot position of market was only fair.

Lemon — Allocation of government surplus material was still held up pending further testing. With domestic production limited at the moment, the market could absorb most of the 300,000 pounds of government material purchased from Italy during the latter part of 1945.

Lemongrass—Spot prices appeared stabilized at current levels, reflecting more stability at the source in recent weeks. Most of the recent offerings have been absorbed, and spot position was still regarded as tight.

Lignaloe Wood—Price for the Mexican oil declined to the basis of $4.45 to $4.95 per pound. Interest in the market has been light recently, reflecting to some extent the better position prevailing for bois de rose.

Lime—Supplies of distilled grades of lime were satisfactory, and prices maintained at the same levels. The tight situation prevalent in expressed lime has eased somewhat, and recent arrivals provided the market with reasonable amount of stocks.

Palmarosa—A shipment totaling 8 cases arrived from India last week, the first in some time. The market was practically devoid of material, and the oil was expected to be easily absorbed.

Peppermint—A bid was accepted by the government recently for 10,000 pounds of redistilled U.S.P. packed in drums at $6.11¼ per pound. Current demand was not too active, and supplies were sufficient to provide for consumers needs.

Petitgrain—Of interest was the arrival of 50 cases from Buenos Aires and 33 drums from Montevideo last week. This was the first sizable shipment in some time. Crop disease limited the yield this year, while replacement costs have risen in some instances higher than domestic ceilings. Spot prices currently range $2.75 to $3.20 per pound.

Rosemary—Shipments from Spain amounted to 10 drums last week. Market position was tight, and new arrivals were expected to be taken quickly.

Sandalwood — Supplies of Mysore were still afloat; meanwhile new ceiling was established at $9.52 per pound. While it is possible for a consumer to import oil direct from the source, he would have to use the oil for his own consumption as the replacement cost is above the ceiling, ranging on spot from $14.75 to $16 per pound. Arrivals from India last week totaled 5 cases.

Sassafras—A total of 68 drums reached here from Rio de Janeiro last week. Based on higher replacement costs prices advanced the preceding period to the level of 62c. to 80c. per pound. Reports in the trade indicate that a pool or combine was being formed in South America to bring the price to $1.15 to $1.25 per kilo. However, there was no confirmation of these reports from Brazil.

Wormwood—Offerings were made in one quarter of the market at $9.75 to $10 per pound, this represents the higher replacement costs, and limited supplies available.

Aromatic Chemicals

Benzyl Compounds — Offerings of various benzyl compounds were made in moderate quantities, with benzyl cinnamate, formate, salicylate and propionate now available. Prices were unchanged.

Citral—Prices advanced to the basis of $6.50 to $7.50 per pound. The in-

For Late Market Developments, See Page 4

crease was attributed to the steadily rising costs of lemongrass oil, and quantities offered were limited.

Coumarin—Raw material situation was aggravated by recent steel strike. Some producers were fortunate in maintaining a stable output, but at the best, offerings were restricted to regular consumers. Prices rule firm.

Diphenyl Oxide—Some delay reported in supplying regular consumers, although most orders on hand were taken care of. Prices unchanged.

Eucalyptol—Prices advanced to the level of $2.85 to $3.25 per pound. Supplies were not plentiful, and raw material costs have risen recently.

Linalyl Acetate—The ex-petitgrain material was higher at $3.90 to $4.10 per pound, reflecting the steadily rising cost of petitgrain oil at the source. Offerings limited.

Methyl Cinnamate—Offerings ranged higher at $2.50 to $3.50 per pound. Business on a restricted basis.

Phenylethyl Alcohol — Producers had difficulty in supplying regular contract customers. Some reported shipments delayed as much as two months. Prices rule firm.

Vanillin—There were little indications from principal producing sources that production would catch up with the demand for several months. Prices unchanged and firm.

Magnus Insures Employees

Magnus, Mabee & Reynard, Inc., essential oils and aromatic chemicals, New York, has put into effect a complete program of group insurance protection for its employees. The company is paying the entire cost of the program.

Copper, Lead, Zinc Price Plan Report Issued

OPD Washington Bureau

A comprehensive report on the premium price plan for copper, lead and zinc was released by the mining and minerals industry subcommittee of the Senate small business committee.

The report presents detailed information with respect to the evolution, development, administration and operation of the plan; data concerning production, premium payments, metal prices, and costs; the mechanics of disbursing premium payments; agency and committee letters, statements, and memoranda selected from the files of the small business committee; and all agency announcements, from letters, and other known documents relating to the plan.

The report stated that ceiling prices of 12 cents a pound for copper, 6.5 cents a pound for lead and 8.25 a pound for zinc must be raised considerably or eliminated entirely in the near future, or that subsidies must be continued on a firm basis beyond June 30, 1946, and perhaps substantially increased.

Chase Bag Plans New Chicago Plant

The Chase Bag Company, New York, plans the erection of new Chicago plant at Washington avenue, North, at Thirty-eighth street. The company has sold its Chicago factory building at 700 Washington avenue, North, to Gamble-Skagmo Company.

Baird & McGuire Erecting New Laboratories Building

Baird & McGuire Inc., of Missouri, manufacturing chemists, St. Louis, is constructing a new building in that city to house its offices and bateriological and chemical research laboratories.

Vick Acquires Sofskin Co.

The Vick Chemical Company, New York, has acquired all capital stock of the Sofskin Company, toiletries, Findlay, Ohio. Operations will continue there under H. C. Glessner, president and a director of the acquired firm.

OPD—3-11-1946 67

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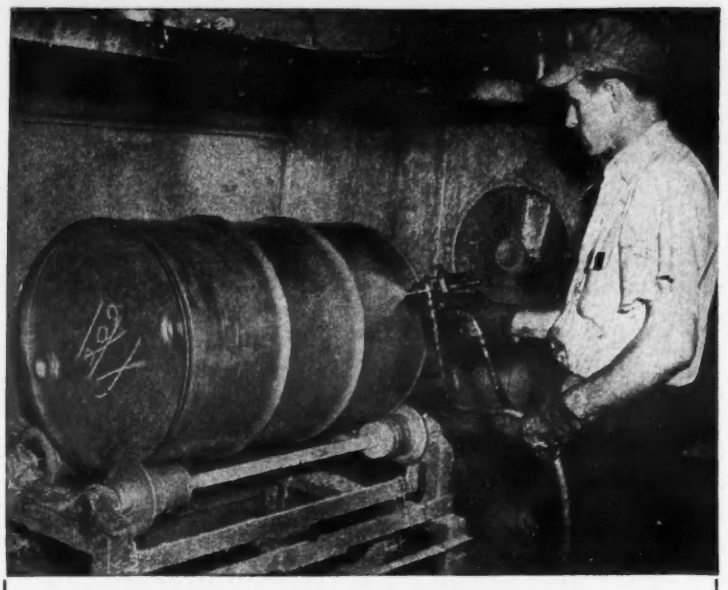

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Pensacola is especially advantageous as a site for paint and varnish manufacturers. Raw materials are immediately accessible. Many basic products such as ester gums, phenolics, maleics, etc., for paints and varnishes are already produced here by two large chemical industries. Others are quickly obtainable by cheap water-haul. Steel shipping containers are also made here.

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PARAMET SYNTHETIC RESINS

Protective Coatings Materials

Though still badly cramped in their operations by lack of adequate supplies of drying oils, metallic lead, titanium, zinc and other white pigments and a threatened further curtailment of their allotments of pig lead for pigment making, the well-established manufacturers of protective coatings and firsthand purveyors of paint and varnish materials are nevertheless obtaining a sizable quota of the new business originating in the nationwide cleanup and paintup campaign which is stimulating repainting and redecorating work on buildings previously erected while also participating on a constantly expanding scale in the initial wall and ceiling coverings of new constructions which are now making considerable headway in metropolitan and rural districts.

Meanwhile, these time - seasoned suppliers and marketers of paints, varnishes, lacquers and their ingredients are making blueprints of the business which they confidently expect to book in the coating of veritable mountains of automotive vehicles electrical equipment and other durable goods, when productive work in these lines reaches the anticipated unprecedented proportions with the shortly expected settlement of the strikes which are still impeding progress in these industries.

While they, themselves, are not entitled to obtain the benefits of the 33⅓ percent increase in allotments of zinc sulphide and titanium pigments, with corresponding allowances of drying oils, extended by the Civilian Production Administration and other government bureaus to veterans of World War II entering the paint manufacturing field, these patriarchs of the protective coatings and paint materials industry are pleased to note such signs of leniency on the part of these government agencies in the distribution of commodities most needed in paint making but least plentifully supplied, in favor of those who have so recently returned from service with the armed forces.

The Department of Agriculture and War Shipping Administration have proposed to the marine paint manufacturers industry advisory committee an elimination of quota restrictions on drying oils used in marine paints for virtually the entire merchant marine fleet and for ships of the War Shipping Administration and those under WSA jurisdiction.

Market Trends

Prices Advanced

Dibutyl sebacate, 2c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	140.2

(*For Current Prices see page 9*)

Metallic Lead and Zinc

With the outlook for lead users strongly indicative of a further sharp tightening of the permissive use order M-38, makers of lead pigments are becoming apprehensive that the actual curtailment of their allotment of pig lead for the second quarter of this year will be even greater than all previous estimates. The gravity of the supply situation in this metal has been emphasized by continuation of the strike in the plants of the largest mining, smelting and refining enterprise which ordinarily turns out some 50 percent of domestic supplies of lead and by the recent statement by the Civilian Production Administration officials, that the supply situation has darkened to the point where "there isn't even enough to supply minimum essential users." Prices of pig lead have continued unchanged for the week March 1-8 at 6.35c. per pound in St. Louis and 6.50c. in New York.

Despite the plentiful supply of zinc ores and concentrates, there is still a shortage of high grade slab zinc. A report by the Bureau of Mines shows that use of zinc scrap and residues last December amounted to 16,546 short tons, a slight gain over that for the previous month. Receipts of scrap zinc by consumers, in December, although not as high as in the preceding month were large enough to cause stocks to rise to 38,547 tons. Recovery of secondary zinc for December has been reported as totaling 10,871 tons. Quotations for slab zinc have remained unaltered for the week March 1-8 at 8.25c. per pound in East St. Louis and 8.66c. in New York.

Pigments

Titanium Dioxide — With trade requirements and Navy needs still outstripping the available supply, there is little hope for relief from the present tension for a long time to come, although production expansion programs indicate the beginning of amplified yields by the three leading producers in the concluding months of this year and early next year.

Zinc Sulphide—The supply situation in zinc sulphide pigments, including lithopone, continues extremely tight, with producers doing their best to effect as equitable a distribution as possible.

Fillers and Extenders

Asbestos — Moving in considerable volume into consuming channels in the building trade with prices firmly held throughout the list.

Chalk—Both imported and domestic materials continue in keen demand. Latest importations have included 600 tons and 2,800 bags of ground goods and 300 bags of precipitated chalk.

Mica—The paint industry is continuing to buy extensively of wet-ground and only slightly less of dry-ground scrap mica, on which prices are being well maintained. There is still a shortage of small size mica splittings, but the overall outlook for increased supplies of block mica and most splittings is steadily brightening.

Putty—A premium of 15 percent over the maximum prices, permitted to be asked for putty and calking compounds under the provisions of maximum price regulation No. 188, has been granted by OPA to manufacturers of these commodities whose dollar sales volume in these products in 1945 are shown in reports to OPA to have been at least 90 percent of their total sales of all products. These higher prices for putty and calking compounds to those specializing in their manufacture are authorized and effective as of March 6.

Dry and Chemical Colors

Iron Oxides—Demand for red iron oxide has increased to such proportions as to cause a notable tightening of the supply situation, which was comparatively easy during the war. This tension has been brought about in part by the recent lifting of government restrictions covering the use of color in rubber and partly by a rush to fill a large backlog of business accumulated from the pentup demand for non-marking shoe soles and heels, formerly met with white pigments. Conditions similar to these also prevail in the market for brown iron oxide. But yellow iron oxide, which had been in rather tight supply for a long time is again in fairly liberal supply, more than enough to care for current demands.

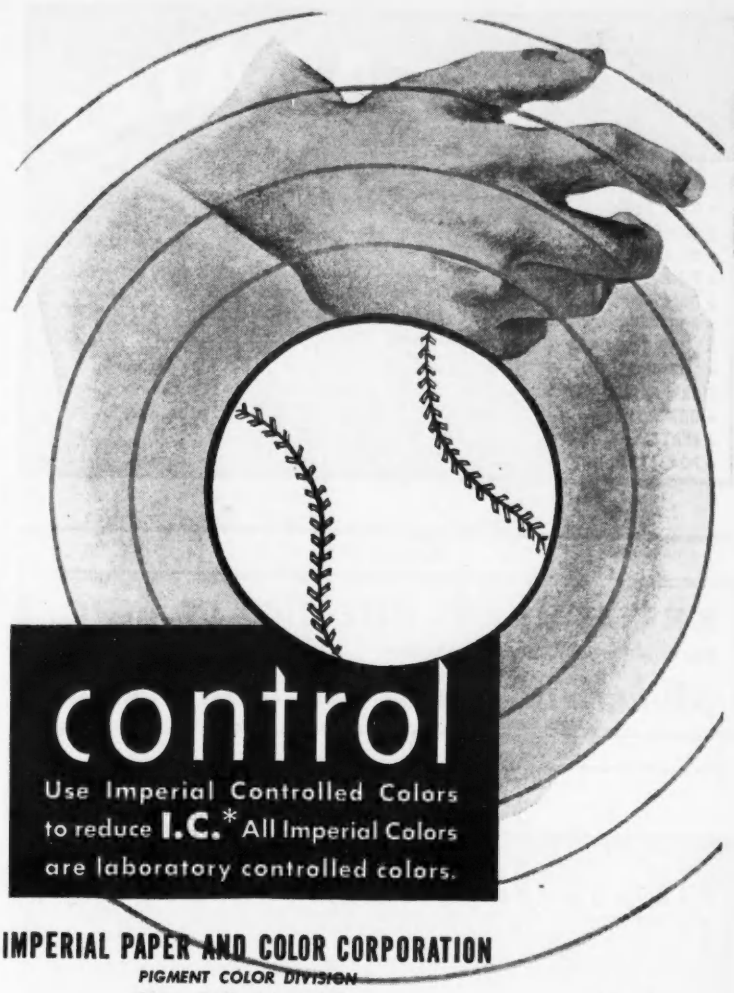
Chrome Colors—Because of the still inadequate supply of bichromates and the increasing demand for these colors, manufacturers continue unable to fill all orders.

Driers and Flatteners

Naphthenates—As naphthenic acid continues to be readily obtainable, manufacturers of the various metallic naphthenates are still able to meet all the requirements of the paint and varnish makers in these drying agents.

Stearates—Demand continues brisk and sizable in virtually all the stearates. While some of the smaller plants making these flatteners have already booked their entire capacity for the time being, larger plants are still able to accept new business.

For Late Market Developments, See Page 4



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Specifications and Properties

Sp. Gr. @ 30°/15.6°C.	0.980 to 1.00
Viscosity (Gardner-Holdt)	W (average) @ 25°C
Distillation by volume	Essentially between 300°C and 375°C
Max. % off @ 300°C.	5%
Refractive Index @ 20°C.	1.5355
Molecular Weight	230
Odor	Sweet, Characteristic
Color	Amber
Color Retention	Good

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Adhesives of the waterproof, optical, shoe, packaging and pressure sensitive types;

Paper coatings both waterproof and greaseproof and for ordnance wrap;

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Being an alkylated phenol, Nevillac OA undergoes typical reactions. For instance, with formaldehyde, oil-soluble phenolic resins are produced which can be formulated as such in varnishes, or can be used in fortifying rosin, rosin esters, alkyd resins and established types of phenolic resins.

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Lacquer Materials

Dibutyl Phthalate — The increased cost of butanol to most manufacturers of dibutyl phthalate has been reflected in the naming of generally higher prices for this material for the new monthly period, March 10-April 9. Thus, although the two lowest price producers, enjoying the advantage of comparatively cheap synthetic butanol, had not announced any change in their quotations up to the end of the last business week, a majority of the other manufacturers have disclosed a markup of their prices by 0.15c. to 0.16c. per pound. Thus, one manufacturer has advanced his quotation on tankcar lots from 20.9c. to 21.15c. and his prices for this material in drums to 22.15c. for carload lots and 22.65c. in less than carlots.

Dibutyl Sebacate — Reflecting the recent advance in the cost of castor oil, manufacturers of dibutyl sebacate have marked up their prices for this material for the new monthly period, March 10-April 9, to the extent of 2c. per pound in one instance and a quarter cent per pound in another. The lowest price producer has announced a perpendicular rise in his tankcar quotations from 46c. to 48c., while another of the leading manufacturers has marked up his prices on tankcar lots from 50c. to 50.25c.

Naval Stores

Rosin—With the domestic buying movement in gum rosin reduced to meager proportions, only small operations are now being recorded in this commodity. Shortages in supplies of many of the ingredients of paints, soaps and synthetic resins, which ordinarily require large quantities of rosin, also, in their production, are largely responsible for the lethargic state into which the markets for both gum and wood rosin have fallen of late. At present, the paper-making industry is virtually the only major consumer of rosin which has not yet been badly handicapped by these shortages in other raw materials and which has therefore continued to exhibit more than a light buying interest in this oleoresinous product.

But, notwithstanding, the obvious slowing down of buying operations in rosin, it is evident that the supply situation is still tight. Hence, CPA is considering the advisibility of restoring some of the recently lifted controls on uses and inventories, so as to assure an equitable distribution among essential uses.

Already, however, a little new crop gum is making its appearance and, in view of the brightening prospect for an early Spring, it is deemed possible that the available supply of gum rosin for the April 1, 1946-March 31, 1947, year will prove considerably larger than the estimated 1,425,000,000 drum production for the 1945-1946 year.

Savannah, March 8.—Following is a record of the market for the week:—

	Price per unit — Low of range quoted				
	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$6.00	$6.00	$6.00	$6.00	$6.00
D	6.07	6.07	6.07	6.07	6.07
E	6.60	6.60	6.60	6.60	6.60
F	6.70	6.70	6.70	6.70	6.70
G	6.74	6.74	6.74	6.74	6.74
H	6.76	6.76	6.76	6.76	6.76
I	6.76	6.76	6.76	6.76	6.76
K	6.80	6.80	6.80	6.80	6.80
M	6.82	6.82	6.82	6.82	6.82
N	6.98	6.98	6.98	6.98	6.98
WG	7.23	7.23	7.23	7.23	7.23
WW	7.50	7.50	7.50	7.50	7.50
X	7.50	7.50	7.50	7.50	7.50
	Drums				
Sales	...	...	18	...	...
Receipts	10	38	1,264	...	...
Shipments	...	2,489	1,574	130	198
Stocks	6,570	4,119	3,836	3,706	3,508

Turpentine—A fair-sized volume of buying is now being recorded in gum turpentine. Although supplies of this turpentine are still far from abundant, they appear likely to be adequate for covering all needs until the new crop material reaches the market. Steam-distilled turpentine continues in a tight position and demands for sulphate turpentine are absorbing available supplies.

For the purpose of considering plans for broadening the official spot market for both gum turpentine and gum rosin at Savannah, a meeting of the Gum Naval Stores Industry Planning Committee has been called for March 25, at Jacksonville, Fla., at which it is hoped that seeds will be sown for establishing a marketing system wherewith to meet the needs of the industry and consumers of its products when ceiling prices no longer govern.

Savannah, March 8.—Following is a record of the market for the week:—

	Bulk gallons — Cents.	Sales.	Barrels — Receipts.	Shipments.	On hand.
Monday	83½	300	...	95	2,129
Tuesday	83½	...	...	106	2,023
Wednesday	83½	100	764	908	1,884
Thursday	83½	...	16	113	1,787
Friday	83½	...	...	15	1,772

Synthetic Resins

Ester Gum—Although manufacturers of this synthetic resin material are presently able to satisfy the current demand for it, despite the short-

STANDARD
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Alkali Blue Toner
Dyestuffs
Methyl Violet Toners
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In addition, DORSCOPOL-L has perfect color and color retention, is fast bodying, water resistant, soluble in hard resins, and economical. In other words, DORSCOPOL-L is one of the most versatile varnish oils on the market today.

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Viscosity	Z-Z1	Color (H-K)	2
Color (Gardner)	5-6	Acid Value	5-9
Gelation Time 565° F.			90 Minutes
Color retention	Excellent	Flexibility	Excellent
Solubility in hard resins			Excellent

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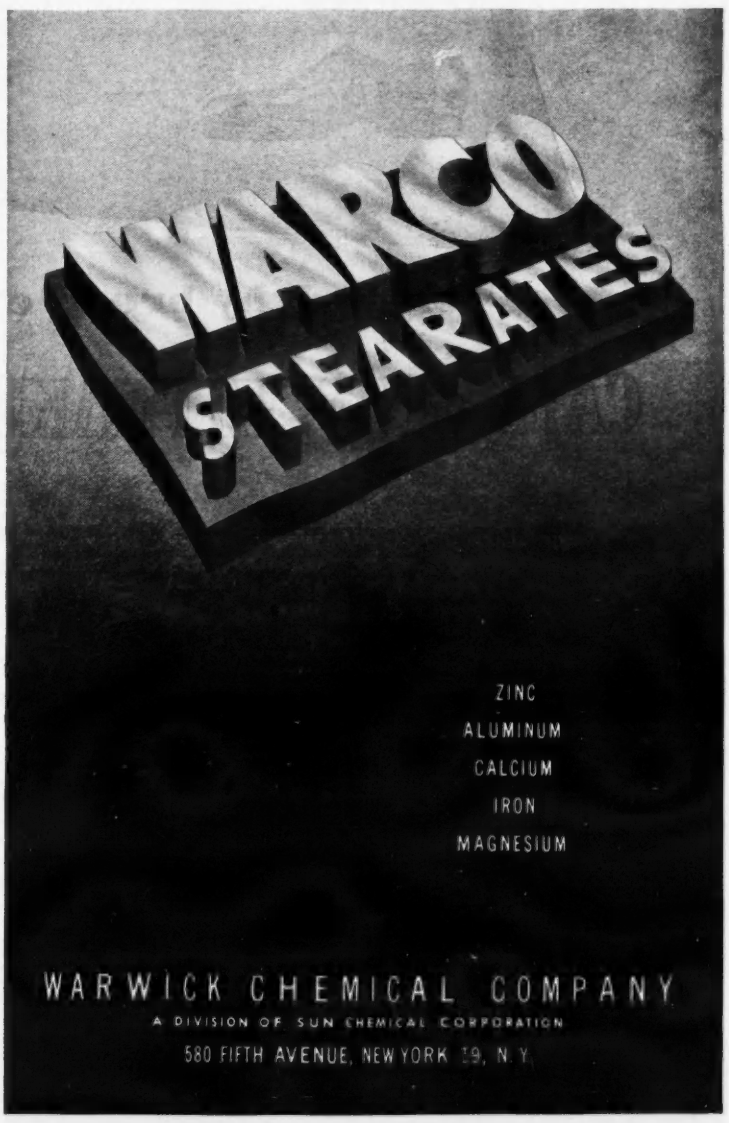

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age in both gum and wood rosins and the critical situation in glycerin, their current output is none too plentiful, and may have to be curtailed sharply again in the event that the available glycerin is diverted for use in other types.

Maleic Resins—Because of the unrelieved inadequacy of production facilities for the making of maleic anhydride, the output of modified maleic resins is still being kept down to meager proportions and it is feared that the shortage in these resins will become still more pronounced if the recent removal of restrictions on glycerin increases the demand for this type of resins.

Varnish Gums

Copal—Aside from the arrival here of a long-overdue shipment from the Belgian Congo of 6.260 bags of Congo copal gum, there have been no developments of importance in the American markets for this natural resin within the past week, inasmuch as the importers have continued to be stymied in their efforts to contract for new consignments in the primary market by the failure of Government authorities to revise the maximum import price regulation, needed to establish the new ceiling prices on the gum, when landed in this country, with a new formula.

Shellac—There has been no sign of any impending easing of the impasse in the primary market in India within the past week. Operators there have continued to withhold offerings, either because of the bareness of that market or their unwillingness to ship on the basis of the present Calcutta price ceilings. However, strong hopes are entertained that the arrival of the Bysachki crop, in May and June will flood the primary market to the extent that suppliers will be forced to offer it fairly freely again. Meanwhile, despite some moderately heavy arrivals on last year's purchasing operations, there is still a marked shortage of seedlac and T.N.; bleaching operations continue to be held down proportionately. The latest importations have included five cargoes reaching New York, aggregating 7,822 bags of seedlac, 500 bags of garnetlac, 500 bags of kirilac and 8,590 bags of otherwise unspecified shellac, and one cargo at Baltimore, reported as consisting of 37,114 pounds of "crude shellac" and 235,200 pounds of "bleached shellac."

Glues and Binders

Casein—With operators at Buenos Aires continuing to hold their offerings of Argentine casein at price levels well above the OPA ceilings, importers of this material are unable to ease the steadily tightening supply situation in the U.S.A. albeit a few relatively small cargoes of this foreign material contracted for months ago are still arriving here. Chief among the latest arrivals of this Argentine casein has been an aggregate of 15,573 bags in one cargo from Buenos Aires and a small lot from Montevideo, Uruguay. Domestic production continues at a very low ebb, with the output of dry casein for January reaching nearly the lowest level on record for that month.

Glues — In the hope of affording some measure of relief from the increasing shortage of both hide and bone glues, OPA has issued a raw material control ruling prohibiting the use of hide glue chrome stock (derived from chemical tannings) for anything but the manufacture of animal glue. In effect this new order makes available this hide glue stock for adhesives and bans its use in the production of edible and inedible gelatine and in fertilizing materials.

Advanced by Cabot

Josef D. Zeller, since 1943 with the technical department of Godfrey L. Cabot, Inc., carbon black manufacturer, Boston, Mass., has been advanced to the post of associate technical director. Mr. Zeller, who received his chemical engineering degree from the University of Alabama in 1931, was with the U. S. Rubber Co., Akron, Ohio, for ten years before joining Cabot.

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NEW ORLEANS — E. W. Ortenbach
TORONTO & MONTREAL — Richardson Agencies, Ltd.

Toronto Production Club Hears Talk on Silicones

D. G. McNabb, of the Canadian General Electric Company, Ltd., presented a detailed discussion on the use of silicone compounds at the monthly meeting of the Toronto Paint and Varnish Production Club.

As resins, silicone compounds have found greatest use in insulating varnishes, Mr. McNabb said, and as oils and greases they have been valuable because of their chemical stability and the extremely small affect of temperature change on viscosity.

Surface Technology Forum To Meet March 15 at NYU

Gilbert T. Schmidling, paint consultant, will discuss luminescent coatings at the March 15 meeting of the Surface Technology Forum, to be held at New York University's college of engineering, Washington Square, New York. C. F. Silleck and S. Lauren, of the C. J. Osborn Company, New York, addressed the February Forum on the subject of wrinkle finishes.

American-Marietta Names Monahan Trade Sales Head

Henry J. Monahan has been named technical director of all trade sales divisions of the American-Marietta Company, paint and varnish manufacturer, Chicago. Mr. Monahan, who has been a member of the technical staff of the company since 1929, will continue to make his headquarters at the plant in Kanakee, Ill.

Methyl Metharcrylate Plant for Sale or Lease

A chemical plant, equipped to produce methyl metharcrylate, is offered for sale or lease by the War Assets Corporation. Occupies five brick buildings on three acres of land in Leominster, Mass. It was formerly operated by E. I. duPont de Nemours and Company.

Stanley Chemical Names Knouse Sales Manager

L. S. Knouse has been appointed sales manager of the Stanley Chemical Company, East Berlin, Conn., with responsibility for the sales of all industrial coatings. He has been connected with the Stanley organization since his graduation from Pomona (Cal.) College in 1929.

Mystik Products Appoints Greene Advertising Head

C. B. Greene, recently promoted to the post of sales manager of the printing division of the Show Printing Company, Chicago, has assumed the additional duties of advertising and sales promotion manager for the products of the company's Mystik Adhesive Products Division.

Paint Makers to Aid Veterans with Supplies

OPD Washington Bureau

War veterans entering the paint manufacturing industry will receive a 33 1-3 percent increase in paint components, according to the Civilian Production Administration. The policy has been approved also by the Zinc Sulphide Pigment Industry Advisory Committee and the Titanium Pigment Industry Advisory Committee.

Under the new plan, the Department of Agriculture would increase the amount of drying oil which a veteran entering business could receive to 20,000 pounds quarterly from previous allowable 15,000 pounds quarterly. Two or more veterans would receive 40,000 pounds per quarter. It is expected that the increase would be retroactive to the first quarter of 1946 and would consequently result in an additional 5,000 pounds of oil to all veterans who have already been allowed 15,000 pounds.

This change will directly affect requirements for pigments, resins, packages and other products. Industry members reported that the average use of titanium dioxide in the paint industry is three-tenths of a pound per pound of drying oil, or five-tenths of a pound of lithopone per pound of drying oil. Veterans should be supplied with materials in this proportion, the two committee agreed.

Accordingly, if this ratio is maintained, the Department of Agriculture allowance of 20,000 pounds of oil per quarter to each veteran would call for 6,000 pounds of titanium dioxide and 10,000 pounds of lithopone. This represents an increase of 1,500 pounds of TIO_2 and 2,500 pounds of lithopone based on former availability of 15,000 pounds of drying oil per quarter to each veteran.

Elliott Elected President Of Borden Home Products

Francis R. Elliott, formerly executive vice-president, has been elected president of Borden's Farm Products Division, subsidiary of the Borden Company, milk products, New York. He succeeds J. O. Eastlack, who has been elected a vice-president of the parent concern.

Glass Firms Sued As 'Trust' by Individuals

A treble damage suit for $1,953,260 has been filed in Federal court, Pittsburgh, against seven glass manufacturing companies and fifty-four of their directors, who are charged with violation of the antitrust laws. The suit, brought by John W. Hamilton and shareholders of the Hamilton Company, charges the companies entered into a monopolistic conspiracy which caused the Hamilton Company a loss of $651,086 at the time it was sold to the Knox Glass Associates, Knox, Pa., in 1945.

Defendant companies are Corning Glass Works, Corning, N. Y.; Owens-Illinois Glass Works, Pittsburgh; Hartford-Empire Glass Company, Hartford, Conn.; Hazel-Atlas Glass Company, Washington, Pa.; Thatcher Manufacturing Company, Elmira, N. Y.; Lynch Corporation, Anderson, Ind., and Ball Brothers, Inc., Muncie, Ind.

The plaintiffs are also shareholders of the Hartford-Empire Company.

Golden Gate Paint Technicians Elect

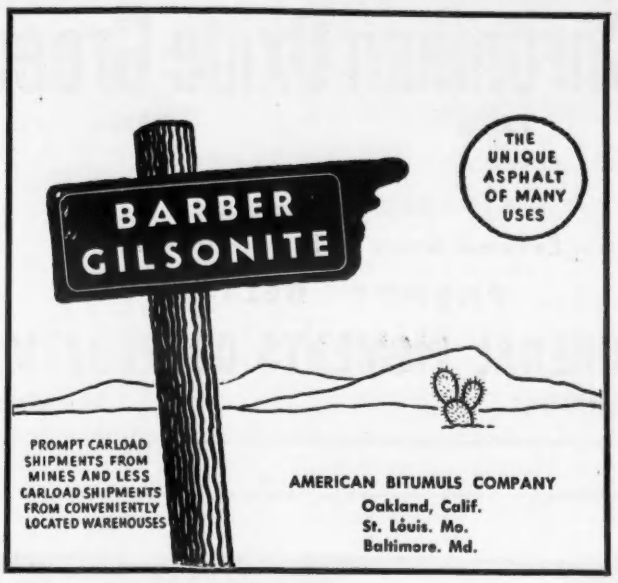
C. E. Campbell, of the National Lead Company, New York, was elected president of the Golden Gate Paint and Varnish Production Club at the regular monthly meeting. F. A. Liebold, of the Sherwin-Williams Company, New York, was elected vice-president. R. W. Hammond of Sherwin-Williams, was elected treasurer, and Les Hanelt, of National Lead, secretary.

Zinc Institute Cancels Convention

The American Zinc Institute has cancelled its April convention in St. Louis because of difficulty in obtaining railroad and hotel accommodations. A meeting of active members will be held in New York next month to comply with the by-laws.

Campbell Aids Legal Aid Society Appeal

Thurlow J. Campbell, president of the Valspar Corporation, New York, has accepted chairmanship of the paint division for the annual appeal of the Legal Aid Society, New York.



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METHYL "CELLOSOLVE" STEARATE, a synthetic ester, is used as a plasticizer for cellulose derivative, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOCH_2CH_2OCH_3$
Molecular weight	342
Color (platinum cobalt scale)	175
Melting point	22° to 24°C
Flash point	378°F
Acidity	less than .6 mg. KOH per gram ester
Specific gravity	.888 at 25°/25°C
Iodine value	2 max.

Low volatility

* Trade mark of C&CCC

BUTYL STEARATE

BUTYL STEARATE, a synthetic ester, is used as a plasticizer for cellulose and polyvinyl derivatives, also for cosmetics, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOC_4H_9$
Molecular weight	341
Color (platinum cobalt scale)	130
Melting point	19° to 20°C
Flash point	358°F
Acidity	less than .6 mg. KOH per gram ester
Saponication number, 171-179 mg. KOH per gram ester	
Specific gravity	.85-.86 at 20°/20°C
Iodine value	2 max.

Low volatility

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On NAM Board

Morris Sayre, president of the Corn Products Refining Company, New York, has been elected to the board of directors of the National Association of Manufacturers.

G.H.Lincks Quits Varnish Gum Trade

George H. Lincks, varnish gum importer of New York for sixty years, last week retired from the business. The company bearing his name, which he founded thirty years ago, has been succeeded by a corporation, George H. Lincks Inc.

George Billings, who was with Sperry Gyroscope Company before he entered the Army, is president of the importing firm. Carl Hilbert, recently released from the Navy, is vice-president, and Cyril Latimer, another veteran, is secretary-treasurer.

N.Y. Paint Club To Meet March 21

The New York Paint, Varnish and Lacquer Association will hold its annual past presidents' night at the Biltmore hotel, March 21. The event will get underway at 6:30 p.m., with dinner at 7 p.m.

Dallas Paint Technicians Discuss Styrene Resins

Norman R. Peterson, of the plastics engineering division of the Dow Chemical Company, Midland, Mich., presented a paper on "Newer Resins Based on Styrene," at the regular monthly meeting of the Dallas Paint and Varnish Production Club. Mr. Peterson said that because of the great development of styrene during the war, a large supply is available for use in resins and molding compounds.

Wimsatt-Jarden Distributes U.S. Gutta Perch Paints

Wimsatt-Jarden, Inc., Washington, D. C., has been named exclusive distributors for the paint products manufactured by the U. S. Gutta Perch Paint Company, Providence, R. I.

Trade Briefs

Dr. William S. Carlson, scientist, has been appointed president of the University of Delaware.

Pure Carbonic, Inc., Berkeley, Cal., plans construction of a $750,000 dry ice plant in that city.

Premier Oil & Lead Works. Los Angeles, is building a new warehouse there at a cost of $110,000.

Egyptian Lacquer Manufacturing Company is erecting a new office building at its South Kearny, N. J., plant.

Peaslee-Gaulbert Corporation, paint manufacturer, will build a $200,000 office and warehouse building in Houston, Tex.

Reynolds Metals Company, Richmond, Va., has appointed Jay M. Holmes industry manager of its marine division.

Arabol Manufacturing Company, maker of industrial adhesives, New York, has been awarded the navy's certificate of achievement.

Paint Plant Operation Discussed at Symposium

Ways and means of achieving greatest efficiency in the layout and operation of paint plants was the subject of a symposium at a joint meeting of the New York Paint and Varnish Production Club and the New York, Varnish and Lacquer Association, held March 7, in the Building Trade Employers' Association building, 2 Park avenue, New York.

There were four subdivisions of the symposium. The first, on "Engineering and Its Relation to Management," was presented by E. Hoffman, of the National Paint, Varnish and Lacquer Association. N. Lauthier, of the Montreal production club, presented "A Discussion of Plant Layout." John C. Moore, of the Sinclair Company, presented "Operations and Management," and "Production and Material Handling" was discussed by Robert V. Kirk, of the Roxalin Flexible Lacquer Company.

Following dinner, a motion picture, "Lifelines of Industry," demonstrated the position and value of pipings, valves and fittings in plants.

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Oils, Fats, and Waxes

Trading in coconut oil was resumed on the Pacific coast during the week and a good volume of business in crude oil was transacted at ceilings. Transactions in refined oil also were reported. Buyers included soapmakers, dealers and edible oil users. It was stated that purchases were permitted by government agencies and were to be applied on anticipated quotas. Increased arrivals of copra from the Philippines since the first of the year, has materially boosted production on the Coast and from present indications imports of copra were expected to mount steadily during the balance of the year.

First arrival of tung oil in five years at New York from China was noted during the week, and was delivered against contracts made several months ago. Prospects for the steady movement of this oil from China are unfavorable, according to late cable advices because of the small available supplies, poor inland facilities to the seaboard and last, but not least, have been the sales made for European account at prices above our ceilings, which have established the market thereat.

Flaxseed crushers in the East were operating on a reduced basis, because of the low supply of seed. Argentine seed replacements are needed before the end of the month to prevent the closing down of plants.

Advices from Buenos Aires stated that the Secretary of Industry and Commerce denied press reports that an export license had been granted for the shipment of Argentine linseed oil to Russia.

Cottonseed Oil

Light sales of crude oil were noted during the week at ceilings. Refiners continued to bid at ceilings, but met with little success. Refined oil also was in good call against contracts. Stocks of seed held by crushers were reported low, and more independent mills were expected to close soon.

Arrivals of 225 tons and 505 drums of cottonseed oil were noted during the week from Brazil, consigned to CCC for delivery on allocations.

Bleachable oil prices follow:—

	Cents per pound in tanks— High.	Low.	Close.
March	....	....	14.31 bid
May	....	....	14.31 bid
July	....	....	14.20 bid
September	....	....	14.00 bid
October	....	....	14.00 bid
December	....	....	14.00 bid

Total sales, none.
Cash, 14.31c. nom.
Crude, Southeast, 12¾c.; Valley, 12¾c.: Texas, 12½c. f.o.b. works (all ceiling prices).

Linseed Oil

There was no change in the tight supply conditions noted heretofore in this market during the week. Operations were limited to deliveries of moderate quantities against old contracts. Production continued at a reduced scale owing to the low supply of seed and Eastern plants, it was reported, may be compelled to shut down before the end of the month unless stocks of Argentine seed en route arrive during the next three weeks.

Sales of 49,000 pounds of raw linseed oil at 15.3c. per pound in drums and 4,000 pounds of boiled oil at 15.7c. per pound, drums, f.o.b held by

Uruguayan Linseed Deal Cancelled

Montevideo, March 6—The agreement reported mid-February, whereby Uruguay proposed to sell its exportable flaxseed surplus to the United States, has been cancelled, according to Comteburo, Ltd., a British-American News Agency. The deal failed to be consummated because holders of flaxseed here are dissatisfied with the Uruguayan government's refusal to grant a preferential exchange rate to cover the projected transaction.

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
193.3	193.3	193.3	193.3

(For Current Prices see page 9)

RFC were announced by the Department of Agriculture, February 13.

Buenos Aires, March 4 (Comtelburo).—Secretary of Industry and Commerce denied press reports that an export license had been granted for the shipment of Argentine linseed oil to Russia.

Buenos Aires, March 8.—No flaxseed shipments were made during the past week. Visible seed supply was estimated at 4,724,000 bushels. Seed was quoted at $1.66 per bushel, f.o.b. steamer.

Hull, March 8.—Bombay, £40½, March; Calcutta, £35½, March; La Plata not quoted.

Minneapolis, March 6.—Bids on some contaminated linseed oil from Argentina were accepted by government agencies at midweek and the amount available, an estimated 8,200 tons, was much too small to meet the demand that came into being.

Shipments of linseed oil, in pounds, were as follows:—

	1945-46	1944-45
This week	6,300,000	4,440,000
Since Sept. 1	176,620,000	150,720,000

Flaxseed — Though seed receipts were increased in the Northwest, crushers' needs were far from satisfied.

Minneapolis, March 6—Boxcar relief in the Northwest brought heavier supplies of flaxseed into the market during the past week, but crushers were still in a short position as far as new supplies are concerned.

	Receipts— 1945-46		Shipments— 1944-45	
This week	141,000	10,500	78,000	10,500
Since Sept. 1	17,221,000	9,103,500	3,627,000	1,460,000

Other Vegetable Oils

Coconut—Sales of sizable quantities of crude coconut oil were reported at 8⅛c. per pound, in tankcars, Pacific coast mills, and some Cochin oil at 12⅛c., tankcars, tax paid. It was understood that buyers were permitted to apply the oil against anticipated quotas by government agencies. Arrivals of copra from the Philippines have steadily increased and additional offerings of oil were expected to become available regularly.

Production of crude coconut oil in January was 11,430,000 pounds, consumption, 12,919,000 pounds and stocks 120,694,000 pounds, January 31. Refined oil output was 4,689,000 pounds, consumption 5,323,000 pounds and stocks were 1,505,000 pounds during the same period. Copra stocks totaled 8,925 tons, January 31.

Oiticica—Although consumers were seeking supplies, trading was practically at a standstill, because of the sold-up condition of the spot market. Interest in shipments continued active, with offerings limited to June-July from Brazil.

Consumption in January amounted to 1,542,000 pounds, compared with 992,000 pounds in December. Stocks on January 31 were reported at 7,618,000 pounds.

Olive—New developments were lacking in the situation for the exchange of soybean oil for olive oil from Greece during the week. Additional details and the granting of export permits for soybean oil were expected from Washington within the next two weeks.

Soybean—Scarcity of offerings continued to limit trading. Inquiry was active. Crude oil production in January totaled 143,436,000 pounds, consumption 122,709,000 pounds and stocks on January 31 were 147,259,000 pounds. Refined output was 112,617,000 pounds, consumption 90,770,000 pounds and stocks were 79,522,000 pounds during the same month.

Tung—Additional obstacles confronted American buyers of tung oil owing to the purchases of oil by European buyers at about 5c. per pound above our ceilings, which advanced the market there to higher levels. Cable advices from China stated that stocks of oil were small, inland transportation impossible, and that there

For Late Market Developments, See Page 4

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In addition to our regular items of crude and refined coconut oil in drum and tank-car lots, we now proudly offer these coconut oil fatty acids, product of half a century of experience and research.

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OIL WORKS
311 CALIFORNIA STREET, SAN FRANCISCO, CALIF.

was a marked scarcity of American drums. Shipments in foreign drums would also carry an increase of 25 percent in duty. Domestic production has been oversold and was moving against former contracts.

Fats and Greases

Greases — Production was readily absorbed at ceilings. Trading was limited. January production totaled 46,419,000 pounds, consumption 39,135,000 pounds and stocks were 76,927,000 pounds January 31.

Lard — Small quantities moved against orders, and sellers confined sales to regular customers. Production of lard and rendered pork fat totaled 142,369,000 pounds and consumption 2,912,000 pounds in January. Stocks were 103,630,000 pounds January 31. Lard stocks in Chicago amounted to 20,238,100 pounds February 28, compared with 5,140,849 pounds a year ago.

Tallow—Light production was sold at ceilings during the week. Demand continued to exceed the output. January edible tallow production was 5,939,000 pounds, consumption 5,978,000 pounds and stocks were 5,569,000 pounds January 31. Inedible tallow output amounted to 88,433,000 pounds, consumption 102,927,000 pounds in January, and stocks were placed at 144,726,000 pounds January 31.

Fish Oils

Menhaden — Inquiry continued active, but business was quiet owing to lack of supplies. Prices were firm at ceilings.

Sardine—Scarcity of supplies continued to restrict trading. Refiners were not accepting new orders because of the lack of stocks.

Los Angeles, March 6.—Southern California sardine fishing season ended February 28, with landings far below the preceding year. California Sardine Institute reported 392,330 tons of sardines landed this season, against 545,650 tons last year.

Cake and Meal

Cottonseed Meal—Trading continued slow, except on a swap and barter basis. Some mills were expected to carry over seed to assure them of a supply of meal to swap for seed when the new crop begins to move.

Linseed Meal — With production sold up, mills were unable to accept additional business. Demand was urgent.

Minneapolis, March 6.—Supplies of linseed meal continued light with buyers avid for further offerings. Crushers were cautious about new commitments while the general feed market is in the throes of re-adjusting itself to a constant stream of new orders out of Washington.

Shipments of linseed meal, in pounds, were as follows:—

	1945-46	1944-45
This week	8,220,000	8,780,000
Since Sept. 1	251,920,000	205,720,000

Waxes

Beeswax—Firm conditions continued to dominate this market. Trading was light and quotations were well maintained on the spot and for shipment for all grades. Consuming inquiry was fair.

Carnauba—Trading was said to be moderate, mainly for spot delivery and for goods afloat at former quotations. Offerings for shipments were meager, and closely held. Consumers were in the market for replacements, but were operating cautiously. Prices were firm.

NEW
HIGH MELTING
MICRO-CRYSTALLINE
PETROLEUM WAXES
in *POWDER* FORM
INDUSTRIAL
RAW MATERIALS CO.
52 WALL ST NEW YORK 5, N.Y.
WHitehall 4-0710-1-2

STEARIC
ACID
DISTILLED
Triple, Double and
Single Pressed
Available in Cake,
Flake or Powdered
Highest Quality
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295 MADISON AVENUE
NEW YORK 17, N. Y.
ESTABLISHED 1837
Factory: NEWARK, N. J.
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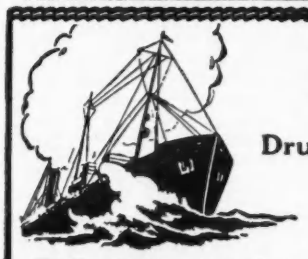
FISH OILS
IN
Drum and Tank Car Quantities
Your Inquiries Are
Respectfully Solicited
THE MENHADEN FISH PRODUCTS COMPANY
108 East York Street Baltimore 30, Maryland

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Beehive Brand
BEESWAX
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WILL & BAUMER CANDLE CO., INC.
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Established 1855
Spermaceti Red Oil Glycerine
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WARRANTED PURE BEES WAX

CROWN WAX 1035
(AMERICAN OZOKERITE)
Melting Point ASTM 195-200° F.
Penetration 100 Grams ½ to 2. Color 3 to 3½ N. P. A.
PETROLITE CORPORATION, LTD.
— WAX DIVISION —
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100% Pure Amorphous

Refined Mineral

OZOKERITE

UTAHWAX

TRADE MARK

Actual photo of mined ore

THE ONLY GEOLOGICALLY POLYMERIZED MINERAL WAX OBTAINABLE IN THE U. S.

This is not a crude petroleum-base derivative but is mined from the only producing mine in the world and is specially refined to produce maximum toughness, hardness, melting point, oil absorption and high gloss as opposed to the soft and greasy characteristic commonly associated with Ozokerite even of high melting point.

This range of qualities in Ozokerite Utahwax furnishes satisfactory simplified formulations without incorporating expensive waxes.

Melting points 172° — 183° — 190° F.

Penetration ½ to 1½.

Formulations available for shoe polish and carbon papers. Technical information for other suitable uses on request.

Commercial quantities for prompt delivery available for the present ***in black only.***

Sole Owner & Distributor **OZOKERITE MINING CO.** Grand Rapids 2, Michigan, U.S.A.

IMMEDIATE DELIVERIES

FROM NEW YORK WAREHOUSE

850/85 • 1750/150

medicinal cod liver oil

OPD—3-11-1946

FOR IMMEDIATE SHIPMENT FROM NORWAY

2000/200 • 2250/200 • 2500/250

This oil is made by BROEDER AARSAETHER A/S, the largest producers of crude cod liver oil in Norway. A superior uniform oil is assured through complete control of production and refining. Write or wire us for more information.

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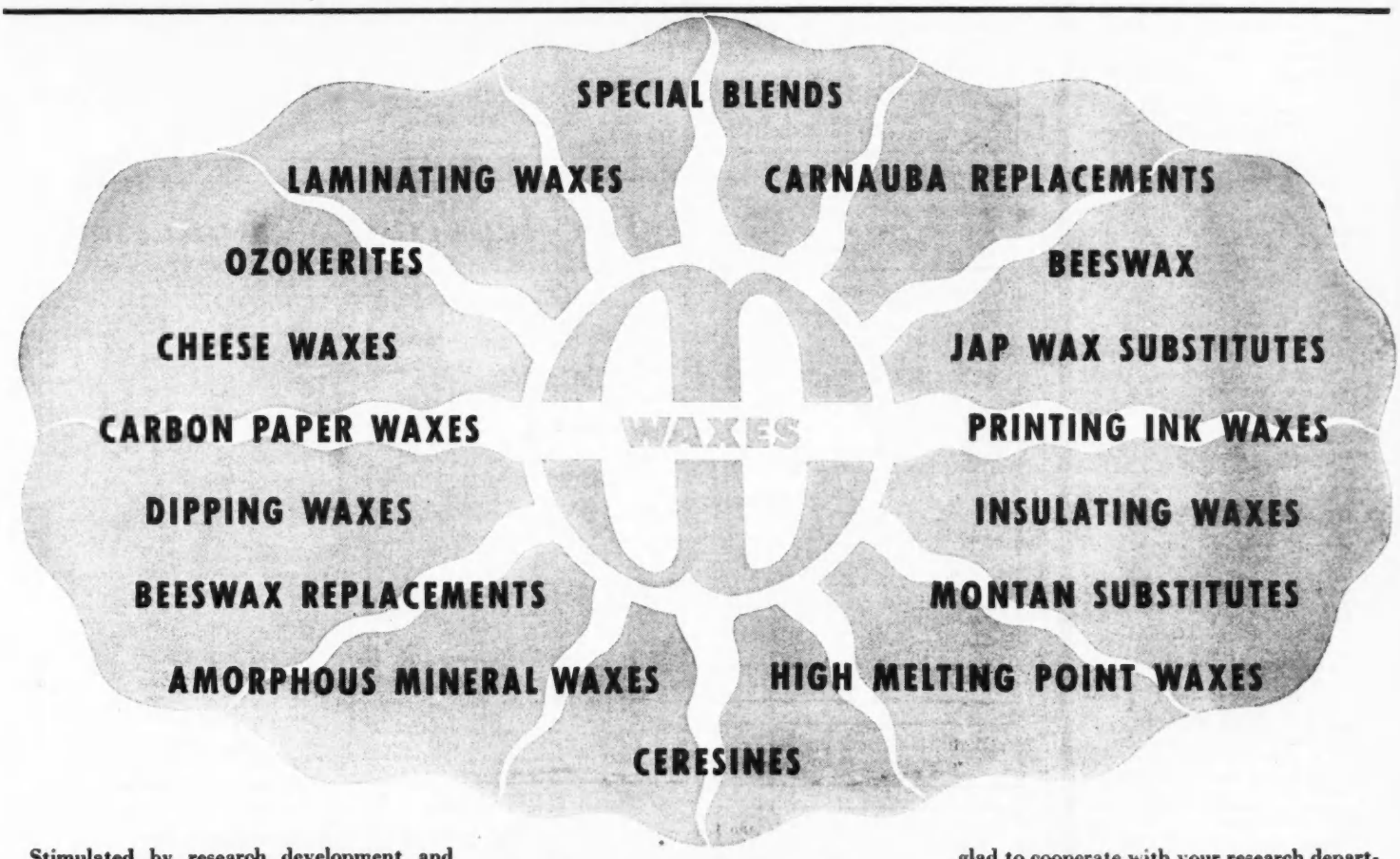

Stimulated by research development and practical knowledge in many fields during the war, the industrial applications of microcrystalline and compounded waxes have increased greatly during the past few years. Frequently, these materials will be found to bring about substantial product improvement in formulations where they have never before been used. The Microwax Corporation invites your inquiries for special waxes to meet your particular problem and will be glad to cooperate with your research department in determining new formulations.

WAXES IN TON OR CARLOAD LOTS

Prompt shipment of most materials on receipt of your order. Write us for samples and price quotations.

The Microwax Corporation 70 EAST 45th STREET NEW YORK 17, N. Y. MURRAY HILL 6-7895

FMC

FMC CAN SUPPLY IMMEDIATELY Good USED EQUIPMENT and many NEW Units too!

Tablet Machines

5 Stokes Rotary "D" Presses, P.D.
1 Stokes Single Punch "F" Tablet Press, B.D.

Mills

1 Thropp Rubber Mill, 15"x36", arr. for motor drive
3 Raymond IMP Mills No. 45, with accessories
1 Raymond IMP Mill, 24", with accessories
1 Mitts Merrill Hog or Shredder, Model 3 D
7 Hardinge Conical Mills, from 36" dia. to 8'
1 Calendar Roll Mill, 10 H.P., 5 rolls, 0"x12" and 7½"x14"
1 Day 12"x32" 3-roll (all watercooled) Mill with motor
2 Mikro Pulverizers, Bantam and No. 1

Filter Presses and Filters

5 Shriver Cast Iron Pl. & Fr. Filter Presses, from 7" to 36"
2 Sweetland Filters No. 7 (Bakelite-lined), No. 10 (lead-lined)
2 Louisville 36" Continuous Filters
4 Adams Water Filters, 1000 GPM, for large systems
1 Industrial Rotary Vacuum Filter, 6' dia. x 3' face

Presses: Hydraulic and Others

1 Standard Automatic 50-ton Plastic Molding Press with accessories
1 Farquahr 100-ton Extrusion Press, 10"x38½", stroke 40"
1 Southwark 500-ton Curb Press, 40" bed, 18" ram
1 Bethlehem 2000-ton Hydraulic Press, 8 heated plates, 5'6"x8'9"
1 Wood 7500-ton Hydraulic Press, 54" cylinder, 30" stroke, daylight 54"

Dryers

1 Black & Clawson Double Drum Dryer, 28"x60", with accessories
3 Double Drum Atmospheric Dryers, 27½"x63"
1 Devine Double Bronze Drum Dryer, 3'x9', with 25 H.P. Motor
1 Buffalo Double Drum Dryer, 32"x72"
1 Buffalo Single Drum chrome-plated Dryer, 5'x6', with auxiliaries
2 Buffalo Rotary Vacuum Dryers, 5'x30'
2 Vacuum Drum Dryers, 48"x40" (1 iron, other bronze, chromed)
1 Buffalo Vacuum Drum Dryer, 5'x20'
1 Rotary Vacuum Dryer, 3'x18', with auxiliaries
2 Galland & Henning Steam Tube Dryers, 6'x30'
1 Ruggles-Cole Rotary Dryer, 4'x20', with auxiliaries
1 Rogers Spray Dryer, 28' diameter chamber, complete
1 Proctor & Schwartz 3 Pass Apron Dryer, 41' long
1 Ross 4 Pass Continuous Conveyor Dryer, 60' long, with accessories
1 Proctor & Schwartz Tray (400) Dryer, 15' long (Louvre Type), accessories
2 Truck & Tray Electrically Heated Dryers, 42"x48"x72", 10 shelves and trays
1 Buflovak Jktd. & Agtd. 5' Pan Dryer
1 Bartlett & Snow Jktd. & Agtd. Pan Dryer

Miscellaneous

14 Heavy Duty Jacketed, Agitated 1000-gal. Kettles or Digesters or Cookers
9 Same as above but only 100 gal, 34"x34"
5 Jacketed Autoclaves or Pressure Vessels, 4'x6'
3 Horizontal Retorts, each with 2 crates, 42"x102"
3 Ft. Wayne Sterilizers, 72-case capacity
2 Electrically-heated S.S. Screw-type Extruders, 1" and 2"
1 Pneumatic Scale 11 Stem Automatic Vac. Filler with Kramer Capper
1 Capem C4F four-head automatic Capper
1 Rotex No. 44 Sifter, 40"x84", 4 separations
1 Anderson, Fred Goat Gelatin Packaging Machine, automatic
1 Ball & Jewell No. 1 Rotary Cutter
1 Elgin Rotary 24-Spout Stainless Steel Filler
1 Urschell late model Strip Cutter with 2 H.P. motor

FIRST MACHINERY CORP.
EAST 9th STREET AND EAST RIVER DRIVE
NEW YORK 9, N.Y. GR. 7-4300
New Address Will Be
157 HUDSON ST.,
New York 13, N. Y.
For fast service address us at our old headquarters until April 1st

Business Wants and Offers

RATES PER INSERTION—PAYABLE IN ADVANCE

Help Wanted and Positions Sought—Minimum $2.00, thirty-six words or less; 35c for each additional six words.

All Other Classified Advertisements—$5.00 thirty-six words or less; 85c for each additional six words or fraction

AGENCIES WANTED

Two veterans, chemical engineers, twelve years major company experience, technical service and sales to large industrials east of Rockies, chemicals and petroleum by-products, are forming distributorship with New York offices, want contact with companies having products of merit, also wanting industrial research of new products. Will not accept conflicting lines. OPD 747.

Responsible company desires additional products of merit in the Chemical or related fields "to market." If increased volume interests you, please furnish full details. OPD 752.

CONTAINERS OFFERED

Brand new fresh stock 24 ga. 16 lug steel paint kits, will exchange 2,000 for one gallon regular round paint cans or for white pigment, market for market. Metropolitan N. Y. area. OPD 750.

EQUIPMENT OFFERED

Pebble Mills—42 in. by 36 in. Silex lined, 7 ft. by 5 ft, unlined, 6 ft. Hardinge Silex lined. 40 HP Vertical Boiler 150 PSI, Duraloy Pressure Blower 82 CFM, F. M. Centrifugal Pump, 100 GPM 120 ft. head with motor. 6 x 4 x 6 Duplex Steam Pump. Lawler Company, Durham Ave. and L. V. R. R., Metuchen, N. J.

EQUIPMENT WANTED

Wanted: Stok..s or Colton automatic tube-filling and closing machine. Wire details Craftint Manufacturing Co., 210 St. Clair avenue, N. W., Cleveland, Ohio, or phone Main 8843.

Wanted—30 or 50 gallon glass lined, closed, jacketed impeller agitated reaction kettle in good condition. Write particulars to Carlisle Chemical Works, 510 Reading Road, Reading, Ohio.

FOR SALE

Gardner-Bubble Viscometer, new. Series A to T, Series U to Z-6, with a copper water bath and built in rack for Tubes. Write OPD 749.

MATERIALS OFFERED

35,000 bottles Aloin compound pills, 1,000 pills to bottle; 18,000 vials lead acetate compound, 10 tablets to vial; 5,000 bottles senna powder, 1-lb. bottles; 50,000 bags No. 3-4 corks, 3x quality. Also other items priced right for immediate sale. OPD 745.

For Sale—Large quantities carloads insecticide liquid DDT original new five gallon drum attractive price; also tincture of cardamon U.S.P. X1 5,000 one pint bottles 43 percent alcohol. Exceptional attractive price. Sample on request. OPD 760.

YOU can help production and create more jobs

Send Your List of Idle Equipment

to

"CONSOLIDATED"

We Buy—We Sell—From Single Units to Complete Plants

Special Items from Stock!

2—16"x40" Day & Lehman 3 roll W. C. Mills M.D.
2—Anderson No. 1 Expellers, M.D.
1—6" Mikro Pulverizer.
1—Simpson No. 1 Intensive Mixer, 4' dia. Pan.
1—No. 7 Rotex Sifter, 40"x84".
1—Patterson 36" dia. Dry Pan, double muller.
4—18" & 22" Robinson & Bauer motor driven Attrition Mills.

5—DRY POWDER MIXERS, various sizes. To 3000 lbs.
4—OLIVER FILTERS, 8'x8', 8'x12'.
8—RUBBER LINED Rectangular Tanks; 7—500-gal.; 1—150 gal.

DRYERS

5—B. & C. 28" Dia. x 60" face Atmospheric Double Drum Dryers, complete.
1—32"x72" BUFLOVAK ATMOSPHERIC DOUBLE DRUM DRYER, m.d.
1—Buflovak 6' dia. Jack. Vacuum CRYSTALLIZER or VACUUM PAN DRYER.
2—70"x30' RUGGLES COLES DIRECT HEAT ROTARY DRYERS, Type A-9.
9—Direct heat ROTARY DRYERS. 4'x30', 5'x30', 70"x30", 5'x60'.
2—ROTARY KILNS, 6'x60'.
1—5'x12' Vacuum DRUM DRYER. Buffalo Foundry, complete with accessories.
10—ROTARY VACUUM DRYERS: 3—Buffalo 5'x10'; 3—Devine 4'x25'; 1—Devine 4'x30'; 1—Struthers Wells 30"x12'.
1—36"x72" Atmos. DOUBLE DRUM DRYER, complete.

1—YORK 49 ton AIR CONDITIONING UNIT with 60 HP motor.

5—World or Ermold, Burt & Knapp Labelers.
1—Stokes DDS Rotary Tablet Machine, 23 punch.
12—Copper steam Jack. Kettles, up to 500 gal. cap.
7—Filter Presses up to 42"x42" Plate Frame & Recessed.
7—Copper & Alum. Vac. Pans, up to 500 gal. cap.

Only a partial listing. Space does not permit listing all items. Send us your inquiries.

NEW ALUMINUM TANKS UNUSED

100—250 gal. closed horizontal Aluminum Storage TANKS, oval-shaped, approx. 46" and 28" by 61" long, 18" round. Manhole in top, ⅛" plate.

4—W. & P. MIXERS, steam-jacketed, 100 gal., size 15, type VI, Class B.B., double-geared sigma blades, power tilting, motor driven.

LOCOMOTIVE TRACK CRANES IMMEDIATE SHIPMENT FROM ALBANY, NEW YORK

2—35, 30 and 20 ton (lifting capacities) LOCOMOTIVE TRACK CRANES, all three cranes rebuilt recently under U. S. Govt. supervision. Each with 50' steel boom and double drums for clamshell bucket operation.

For Immediate Shipment

SIFTERS:
3—No. 32, 20"x48", Day Ro-Ball.
1—No. 12, 20"x37", Rotex.
1—Tyler Rotap Testing Sieve, with 24 screens.
4—28"x48", 1—3 deck, 1—4 deck, 1—3 deck, 1—2 deck.
19—22"x12' long, in 6' frame sections

CRUSHING ROLLS:
2—Farrel-Bacon, each w/ 2-10x20 Rolls.
2—Farrel-Bacon, each w/ 2-14x20 Rolls.

ROTARY CALCINERS & COOLER:
1—4'x20', brick-lined, complete with firing hood, oil burning equipment, instruments, etc.
1—12" dia. x 15' long Kiln, roller mounted, incl. oil burner, complete.
1—Rotary Cooler, 15" dia. x 20'6", complete.

STEEL STORAGE TANKS-BINS:
21—64" dia. x 12', 2,100 gals.
21—51" dia. x 12', 1,400 gals.
24—Wood Bins, used with sifters.

BUCKET ELEVATORS:
5—30', 26', 22'6", 15' c/c belt, 4 x 3 bkts. All are steel-encased and equipped with geared head motors.

MAGNETIC SEPARATORS:
2—Dings 12" dia. x 18", each in conveyor set-up and incl. M.G. set.

GRINDING (ROD) MILL:
1—3'x8' Hendy Iron Works, iron-lined. Clutch pulley, with 30 H.P. motor.

JAW CRUSHER:
1—20"x6" Farrell, 3½ t.p.h. to ⅛"; 10 t.p.h. to 2".

DUST COLLECTOR:
1—Pangborn 3,000 sq. ft. filtering area, incl. exhausters, tanks, supporting steel, etc.

CONVEYOR:
1—10"x18' c/c Link Belt, steel apron.

BLENDER OR MIXER:
1—5' dia. x 6' Abbe, welded plate shell, unlined, trunnion mounted.

Most of these machines are equipped with individual motor drives, including gear reducers.

THE KEY TO SAVING TIME AND MONEY
CONSOLIDATED PRODUCTS COMPANY, INC.
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SPECIAL

Complete Tablet Plant consisting of Stokes Drying Closet, Granulating Mixer, Granulator, Tablet Machines, Polishing and Coating Pans.

STOCK ITEMS!

2—Fitzpatrick Style "D" Comminuting Machines.
1—5' dia. Copper Jacketed Pan, agitated.
1—Lab. Vallez Filter.
2—Zaremba All-Copper Evaporators, 500 sq. ft. each effect.
1—No. 2 Sweetland Filter.
1—Sperry 24" x 24" Filter Press, closed delivery, 15 Rubber-Covered Plates and Frames.
1—American 6' 2 Disc Rotary Continuous Filter.
6—Oliver 8' x 6' Rotary Hopper Dewaters. NEW.
1—Oliver Robison 6' x 4' Top Feed Ni-Resist Filter.
1—Oliver Filter, 3' x 1', 5' x 8'.
3—Rotary Vacuum Dryers, 4' x 10', 4' x 15', 5' x 33'.
1—Buffalo Lab. Vac. Double Drum Dryer, 6" stainless steel drums.
1—Stokes 48" x 72" Atmos. Double Drum Dryer.
2—6' x 27'0" Rotary Steam Tube Dryers.
1—5-Roll Raymond Mill.
2—American 16" x 40" 3 Roller Mills, water cooled, motor driven.
1—Kent 13" x 32" Super-Five Roller Mill, motor driven.
4—Stokes Rotary B and BB Tablet Machines.
5—Stokes, Colton, Mulford Single Punch Tablet Machines, 3B, 3D and "T".
3—Tyler Hummer Screens, 3' x 5', 4' x 5'.
3—Hardinge Ball Mills, 4½' x 24", 4½' x 16", 2' x 8".
7—Pebble Mills, 50, 100, 280 gal.
2—Moss Colloid Mills, Stainless Steel, 3 H.P.
1—Hurrell Colloid Mill, motor driven, 20 h.p. motor.
5—Copper Vacuum Pans, 30", 42", 48", 5' and 6' dia.
1—Portable Revolvator, 1,800 lb., motor driven.
5—1,200-lb. Brand New Powder Mixers.
3—3,000-lb. Powder Mixers.
1—Copper Revolving Pan, 36" dia.
1—Stokes Gas Fired Hot Air Dryer, 16 shelves.
6—Pfaudler Jktd. Agtd. Kettles, 100, 125, 200, 500, 750 gal.
2—60 and 125 gal. Alum. Jktd. Kettles.
10—Copper Jktd. Kettles, 25 to 150 gal., some agitated.
8—Steel Jktd. Kettles, 600 to 1,200 gal., some agitated.
1—Copper Varnish Kettle, 175 gal.
2—1,750 gal. Lead Lined Closed Tanks.
1—Lancaster 30" Batch Mixer.
3—Powder Mixers, 100 to 800 lb.
4—W. & P. Mixers, 9, 20, 100 gal.
1—Howes 24" x 12' Powder Mixer.
1—Williams No. 1 Hammer Mill.
2—National Day Powder Fillers.
1—Stokes & Smith G-1 Powder Filler.
5—World, Ermold, National Labelers.
1—60 gal. Cast Semi-Steel Autoclave, agitated, 3" wall.
6—Shriver, Sperry Filter Presses, 36", 32", 30", 24", 18", 12".
5—Shriver Wood Filter Press Skeletons, 24" to 42".
4—Sharples No. 6 Centrifuges, open and Presurtite.
3—De Laval No. 300, 600, 700 Clarifiers.
1—Tolhurst 40" Suspended type, Bottom Discharge Centrifugal, solid basket, M.D.
1—American Tool 48" Centrifugal, suspended type, bottom discharge, motor driven.
5—Tolhurst 32", 40", 48" Self-Balancing Type Centrifugals.
3—Buflovak Vacuum Drum Dryers, 48" x 40", 5' x 6'.
4—Atmos. Drum Dryers, 4' x 9', 5' x 7', 5' x 6', 28" x 60".
6—Copper and Steel Vacuum Pans, 50 to 750 gal.
2—Swenson Continuous Crystallizers, 24" x 30'.
3—Read 100 gal. Double Arm Steam Jacketed Mixers, practically brand new.
3—Day 18" Pressure type ointment mills.

SPECIAL OFFERINGS!

800 ft. of Lamson & Matthews Heavy Duty Roller Conveyor, 22" to 26".
10—12" Belt Conveyors, 20 to 50' centers, built to specifications.
800 HP of Motors, 10 to 150 HP, Westinghouse, 3 60/440 volt, 440 to 860 RPM.
4—Rotary Kilns, 8' x 100', 9' x 70', 9' x 65', 6' x 60'.
1—Hersey Rotary Dryer, 5' x 30'.

Partial List only. Your inquiries solicited. Send us your lists of surplus equipment.

BRILL
Equipment Co.

225 WEST 34th STREET
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BRyant 9-2040
Warehouse—2491 3rd Ave., Bronx, N. Y.

MATERIALS WANTED

Will purchase your surplus stock of chemicals, drugs, oils, waxes, dyes, solvents. Are you overstocked due to formula change or government cancellations? Write fully. Will make immediate offer. OPD 725.

Will purchase entire output of coal-tar or water-gas tar. Have facilities for immediate removal and storage. Address OPD 726.

Wanted: 5-10,000 pounds inspissated Oxbile. Submit offers to OPD 753.

PARTNER WANTED

Paint manufacturing concern established twelve years at Buenos Aires, Argentina, desires partner with capital to run business, must have technical knowledge. For further details Sahlin Color Co., Camden, N. J.

PATENTS WANTED

Well established aggressive processor of Coal Tar Products and Chemicals wants to contact party with patents or ideas for allied products and methods. Confidential. Worthwhile financial proposition. Give particulars for interview. OPD 751.

POSITIONS VACANT

Chemical Secretary: Unusual opportunity. Research laboratory in high polymers and textiles. New York City. Woman with good chemical training and experience, and some secretarial experience. The exercise of judgment is required. OPD 689.

Wanted: Pharmaceutical manufacturing pharmacist. Registered in Indiana. Must be experienced in all phases of pharmaceutical manufacturing and control. Salary open. Plant located in Indiana. Prefer resident of Indiana or adjoining states. In answer give full details of yourself including picture and salary desired. OPD 733.

FOR SALE

Stainless Steel Tanks—new—100 and 200-gal. dished bottoms with stands.
9 new Stainless Steel Jacketed Kettles, 30 and 40 gals. capacity.
Steam Jacketed Kettle 9' dia. 5' deep, with agitator (new).
Copper tank with agitator and coil, 66" dia x 7' high.
2 International Centrifuges, size 3, Type F.S., Stainless Steel with Motors and Starters.
Copper Evaporator with Stokes Condenser.
Shriver Filter, 24", open del., 25 plates, cast iron.
1 Stokes and 1 Devine Vacuum Pump.
2 Copper Percolators.
Stainless Steel Vert. Tank, 7' dia x 10', No. 430 Chrome.
Colton Capsule Machine with Dies.
6 De Laval Imo Pumps, 2" suc. 2" disch., new.
Stainless Steel Pumps (new) with G. E. Explosion-proof Motors.
Electric Immersion Heaters, Stainless Steel, 115 V., 550 Watt (new), $15.00 each.

H. LOEB & SON

4643 LANCASTER AVENUE **PHILADELPHIA 31, PA.**

REMOVAL SALE

Large stock Brooklyn warehouse. All equipment priced low to save moving expense.

PHONE—WIRE—WRITE

1—Chrystie 80"x45' Rot. Dryer.
1—Oliver 8'x10' Rot. Vac. Filter.
1—Hardinge 6'x48" Conical Mill.
1—Tube Mill, 5'x15'.
2—Dorr 15' Bowl Classifiers.
1—Sturtevant 36" Rock Emery Mill.
2—Batteries (9 & 11) Tolhurst 40" Suspended Type, Centrifugals, Motor Driven, Bottom Discharge.
1—No. 6 Sharples 2 H.P. Centrifuge.
1—Steel Ball Mill, 35 gals.
2—Adamson 6" Extruders.
25—New stainless Steel Tanks, 100 to 1,000 gals.
New Water Stills, Gas and Electric.
1—150 gal. Copper Jack. Kettle.
500-ft. Ball Bearing Roller Conveyor, 12" & 15" wide, 10-ft. lengths.
12—Filter Presses, Iron, Wood and Rubber, 18" to 42" sq.
1—Cumberland Size O Rotary Cutter, 1 H.P. motor.
4—Centrifugals, 20", 26" & 40".
5—0000 and No. 0 Raymond Mills.
1—Bonnot 27" dia. Iron Filter Press.
12—Vert. Jack. Agit. Kettles & Autoclaves to 1,500 gals.
2—250 & 1,500 gal. lead lined kettles.
1—250 gal. copper jack. vac. Still & Receiver.
1—Pfaudler 350 gal. Jack. Agit. Steel Kettle, Copper Lined.
1—700 gal. steel copper lined vac. Filter Tank.
6—20, 35, 75 & 250 gal. closed, agit. jacketed Copper Kettles.
1—Dopp 50 gal. Jacketed Kettle.
15—50 gal. Steel Tanks, Nettco Drives.
2—Blystone 2,000 lb. jacketed, horiz. Paddle Type Steel Mixers.
6—Horiontzal Mixers, 20 to 100 gals., Single & Double Arm.
1—Faust 150 gal. Spiral Mixer.
1—Jeffrey Type 2A Electric Vibrator Unit.
2—4,000 gal. Acid Proof Tanks.
2—Devine Horiz. Vac. Pumps, 8"x6"x4"x6".
2—Wall Vac. Pumps, 4"x2½".
1—Devine Vert. Condenser.
1—Oliver 14"x8" Duplex Vac. Pump.
1—Penn. Vac. Pump, 14"x5".
1—National Acme Model C20 stainless Steel Centrifuge.
2—De Laval Multiple Clarifiers, 300 & 301.
2—Rotary Screens, 18"x72".
6—Attrition Mills & Disc Grinders up to 22".
1—Ross 16"x40", 3 Roll Mill.
3—Double Stand Steel 4 Roller Mills, 7"x18" to 7½"x30".
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BOX 758, OIL, PAINT AND DRUG REPORTER

Business Wants

POSITIONS VACANT

Manufacturing chemist: Experienced in formulating floor waxes, miscellaneous polishes, and other chemical specialties. New York area. Give details of self, experience, and starting salary expected. OPD 734.

Lacquer chemist: Wide experience in all types of synthetic resin coatings for metal, wood and paper. Gordon Lacey Chemical Products Co., 57-02 48th street, Maspeth, L. I. STillwell 4-0623.

Wanted: Liquid, ointment and powder man. Must be experienced in all phases of manufacturing. Salary open. Plant located in Indiana. Prefer resident of Indiana or adjoining states. In answer give full details of yourself including picture and salary desired. OPD 731.

Wanted: Tablet man. Must be experienced in all phases of tablet manufacture. Salary open. Plant located in Indiana. Prefer resident of Indiana or adjoining states. In answer give full details of yourself including picture and salary desired. OPD 732.

Chemist and engineer for manufacture of phenolic resin for plastics. Must have thorough knowledge and supervisory experience in development, production of phenolic plastics, for new department in well established plant in Ohio. Send complete resume in first letter. Will be held strictly confidential. OPD 716.

Attorney, for general work in small legal department of an expanding chemical company located in Metropolitan New York. Some patent experience desirable. State salary expected and full particulars. OPD 754.

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Professional chemist, 15 years of industrial and commercial experience, organic and inorganic. Perfect knowledge of French and German. Export or patent work. OPD 743.

Synthetic resin chemist, Ph.D., ten years very successful up-to-date research and production experience, including alkyds, vinyls, allyls, phenolics, ureas. Desires part-time research, research contract, or consulting. Well equipped laboratory available. Excellent references. Married, 31. OPD 659.

Research, development chemist: young Ph.D., organic. Varied industrial experience in organic intermediates, plasticizers, organic peroxides, pharmaceuticals, food products, vitamins, and microbiologicals. Successful supervisory, organization record. Desire responsible position with progressive concern. OPD 719.

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Washington Talks It Over

—Continued from page 5

get back to the use of natural rubber and gradually to curtail synthetic rubber until a happy balance between the two is reached.

Previous forecasts that something between 200,000 tons and 300,000 tons of crude rubber would be brought into the United States from rubber areas of the South Pacific are not materializing. Unsettled conditions in Java and elsewhere have necessitated a downward revision in the estimates and a consequent upward revision in the production of synthetics to fill out rubber needs. Officials are talking now of producing 300,000 tons of synthetic rubber and possibly as much as 500,000 tons this year.

In order to provide this amount, it will be necessary, in all probability, to turn to the petroleum industry for the alcohol needed. In view of the existing shortage of grains and the program for feeding Europe which will necessarily cut in on grain supplies heavily, there isn't enough grain available for the grain alcohol plants to get back into full-scale operation.

WAC Export Section Formed

An export section is to be formed within principal regional offices of the War Assets Corporation. An export section is already functioning within the WAC New York regional office and others are expected to be opened shortly at Boston, Philadelphia, San Antonio, San Francisco, Chicago and New Orleans, probably in that order, WAC stated.

An Office of Exports has also been established within the WAC Washington office which will function as liaison with the Department of State and other government agencies normally concerned with export matters in developing foreign markets; and to advise and assist regional offices in matters pertaining to sales of surplus property for export.

Mathieson Dry Ice Plant Is in Washington, D.C.

One of the two new warehouses for dry ice and carbonic gas recently completed by the Michigan Alkali Works, New York, is located in Washington, D. C., not Chicago as reported in the February 18 issue of the REPORTER.

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